



C & D

HEMIST AND DRUGGIST

JULY 1 1967

When everyone goes on holiday...



The summer months always bring an increased demand for Acriflex, the first-aid antiseptic cream that soothes, cools, and encourages rapid healing. You know that you can always recommend Acriflex for **burns, scalds, cuts, grazes, insect bites, skin infections, and severe sunburn**

Acriflex

Trade Mark

goes to work

ANTISEPTIC CREAM



Manufactured in England by
ALLEN & HANBURY LTD LONDON E2

Prevention is better than cure



They're all making sure they enjoy a holiday abroad this year without the risk of holiday diarrhoea.

A very good thing for them

—and very good for chemists, who by telling their customers that ENTERO-VIOFORM prevents as well as treats holiday diarrhoea, will enjoy bigger sales than ever before *plus* record profits.

We'll be telling the prophylactic story in a big Advertising Campaign starting in May and finishing in September

Advertisements will appear in all the top women's magazines PLUS the mass circulation daily and Sunday national newspapers, PLUS the multi-million circulation magazines like T.V. TIMES and READER'S DIGEST.

Television will be used in the London area and, to help you sell on sight, there will be a complete range of eye-catching point-of-sale material including the famous CIBA ENTERO-VIOFORM GONK. Share in the expanding market by prominent display.

BUT YOU MUST TELL YOUR CUSTOMERS TOO!

When they come in for other holiday products, remind them that thousands of holidays abroad are ruined by holiday diarrhoea—yet, for a few pence a day, they can insure against it with ENTERO-VIOFORM taken daily. Show them the economical 100-TABLET FAMILY PACK—sufficient for 3 people for a whole fortnight.

In 1966 eight out of ten people who took a diarrhoea preventive abroad chose ENTERO-VIOFORM—making it one of the two most successful proprietary medicines of the year. Entero-Vioform is a medically-approved product with a dependable intestinal antiseptic action which prevents as well as treats holiday diarrhoea.

Ensure adequate stocks to last right through the holiday season

SUMMER BONUS OFFER

Details available from your Wholesaler Order NOW

Entero-Vioform[®] C I B A

SOUTHALLS (SALES) LTD

BONUS CLOSES

FRIDAY JULY 7TH, 1967

The bonus prices which were continued during the period of Prices and Incomes Standstill and Severe Restraint are now discontinued and normal prices will be introduced on all orders received on and after July 7th, 1967. The lines affected are as follows:—

		Suggested Retail Price	Normal Trade Price	Normal P/T
<hr/>				
NIVEA CREME				
363	Household size	6/1	41/2	11/1
366	95 cc Polystyrene jar	5/10	39/5	10/8
367	165 cc Polystyrene jar	8/9	58/4	15/9

ATRIKO

413	30 g. tube	3/1	20/7	5/7
409	500 g. tin	17/9	120/1	32/5

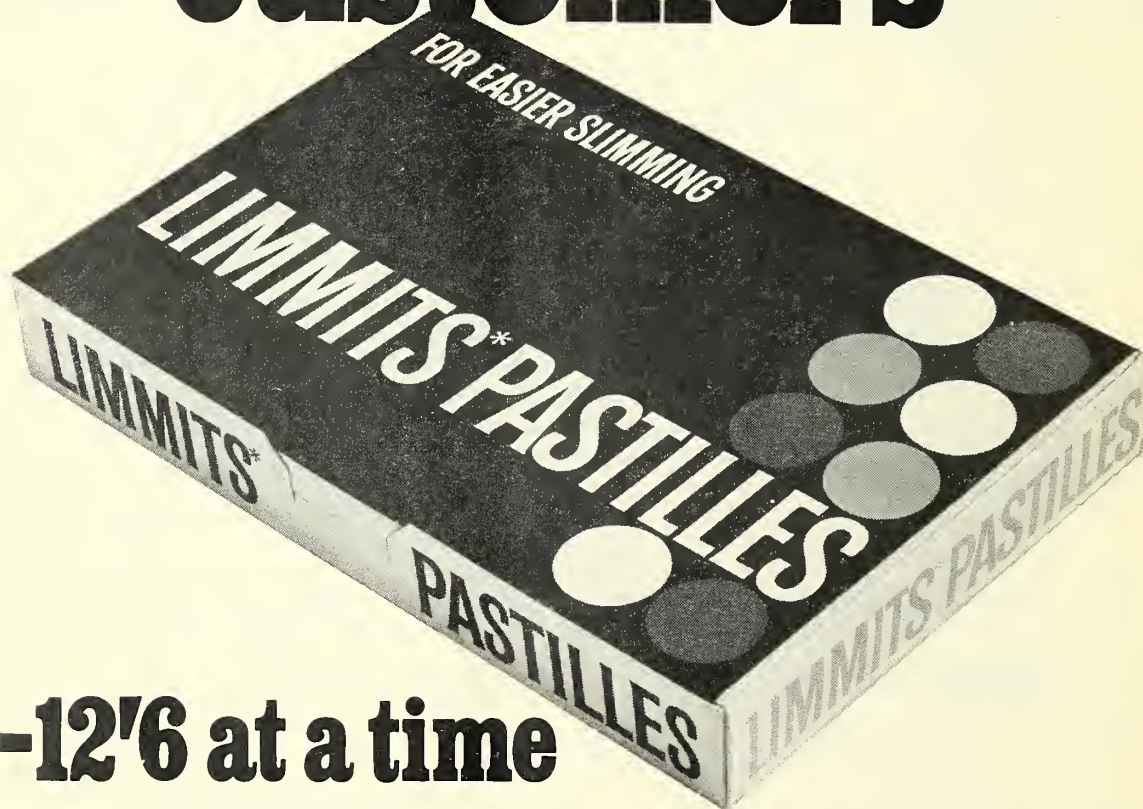
CELTEX SUPER SOFT

Bags of 12	2/1	20/3	—
Bags of 18	3/-	29/2	—



SOUTHALLS (SALES) LTD., WELWYN GARDEN CITY, HERTS. TELEPHONE: 20221

Take a few pounds off your customers



-12'6 at a time

1967 is proving to be the most successful year ever for sales of slimming aids.

New Limmits* Pastilles will help to make this year bigger and better by creating new sales and bigger profits.

We are selling Limmits Pastilles in a big way with:—

BIG AND POWERFUL ADVERTISING—3 months of full colour ads in six leading women's weeklies and monthlies. The advertising started on June 28th and will carry on throughout July, August and September.

BIG PRICE ADVANTAGE at only 12/6d. for up to 14 days' supply.

BIG PULL OF THE LIMMITS BRAND NAME. No other brand is nearly as popular as the existing Limmits range.

BIG INTRODUCTORY BONUSES—contact your local wholesaler today for full details.

**Made and sold by arrangement with Unicliffe Laboratories—owners of the trade mark "LIMMITS".*

UNICLIFFE LIMITED, UNIMART HOUSE, STONAR, KENT.

* IMPORTANT NEW PRODUCT INFORMATION

CLINICAL PHARMACOLOGY

Propaderm (beclomethasone dipropionate) is a new, highly active steroid ester developed specifically for topical use. In the skin-blanching test (McKenzie, 1962) for detection of anti-inflammatory action in topical steroids, beclomethasone dipropionate has been shown to have activity comparable to, or greater than, that of such compounds as betamethasone 17-valerate and fluocinolone acetonide. Clinical trials in Great Britain have confirmed that Propaderm, in a concentration of 0.025%, is outstandingly effective in the treatment of skin conditions such as psoriasis and the eczemas—in some instances even in patients who have failed to respond to other potent topical anti-inflammatory steroids.

McKenzie, A. W. (1962) *Arch. Derm.*, **86**, 611.

INDICATIONS

Propaderm is indicated for the treatment of all conditions where topical application of an anti-inflammatory steroid is indicated. Such conditions include, the various forms of psoriasis and eczematous lesions such as atopic eczema, infantile eczema, flexural eczema, nummular eczema, pompholyx, varicose vein eczema (stasis dermatitis); neurodermatoses including lichen simplex; seborrhoeic dermatitis; intertrigo; contact dermatitis; lichen planus; discoid lupus erythematosus; solar dermatitis.

In certain resistant dermatoses the effect of Propaderm can be enhanced by means of occlusive dressings using impermeable material such as polythene film. Conditions in which occlusion may be valuable include fissured and lichenified eczema and neurodermatoses, hypertrophic lichen planus, chronic discoid lupus erythematosus, and psoriasis on areas such as elbows or knees.

Propaderm ointment preparations are suitable for dry conditions where an emollient effect is desirable and for use under occlusive dressings.

Propaderm cream preparations are preferred for weeping conditions or for those involving the skin of the axillae or groins or other sites where the skin is usually moist or hairy. For cosmetic

PROPADERM

Trade Mark

A NEW and outstandingly effective topical steroid

PROPADERM OINTMENT
PROPADERM CREAM
PROPADERM-A OINTMENT
PROPADERM-C OINTMENT
PROPADERM-C CREAM

FORMULAE

Propaderm Ointment contains 0.025% beclomethasone dipropionate in a bland, non-aqueous base specially formulated to ensure maximum release of the steroid.

Propaderm Cream contains 0.025% beclomethasone dipropionate in a bland oil in water emulsion designed to secure maximum release of the steroid.

Propaderm-A Ointment contains 0.025% beclomethasone dipropionate and 3.0% aureomycin BP in a bland, non-aqueous base which ensures full effectiveness of the active principles.

Propaderm-C Ointment contains 0.025% beclomethasone dipropionate and 3.0% chionoform (iodochlorhydroxyquinoline) in an ointment base.

Propaderm-C Cream contains 0.025% beclomethasone dipropionate and 3.0% chionoform (iodochlorhydroxyquinoline) in a water-soluble, cream base.



Propaderm is a Trade Mark of

ALLEN & HANBURY LTD
LONDON E2

Keep this page for future reference.

reasons they may be preferred for application to the face or other exposed areas of skin.

Propaderm-A and Propaderm-C preparations are indicated for those conditions where infection is present or is likely to occur. Such conditions include infective eczemas of various types, seborrhoeic dermatitis and infective intertrigo. When occlusive dressings are used the added antibacterial effect is of value for the prevention of superimposed infection.

Propaderm-A provides broad spectrum antibiotic activity. Propaderm-C contains chionoform which is both antibacterial and antifungal.

APPLICATION

Propaderm preparations should be applied thinly to cover the whole of the affected area and gently rubbed in. Initially application should be made twice daily but when improvement is apparent the interval between applications may be extended and treatment eventually stopped. If the condition reappears then treatment should be started again; subsequent recurrence may usually be prevented by application of Propaderm every third or fourth day.

PRECAUTIONS

When an anti-inflammatory steroid is used under occlusive dressings over extensive areas it is possible that sufficient absorption may take place to give rise to systemic effects. Such effects have not however been reported with Propaderm.

The chionoform in Propaderm-C formulations may stain clothing yellow and the stain may be difficult to remove. Staining can be prevented by covering the lesion with a light dressing.

PRESENTATION AND PRICE TO PHARMACISTS

Propaderm Ointment is available in tubes of 15g (7/6d) and 50g (19/8d).

Propaderm Cream is available in tubes of 15g (7/6d) and 50g (19/8d).

Propaderm-A Ointment is available in tubes of 15g (8/6d) and 50g (21/8d).

Propaderm-C Ointment is available in tubes of 15g (8/4d) and 50g (21/4d).

Propaderm-C Cream is available in tubes of 15g (8/4d) and 50g (21/4d).

André Philippe

LEAD ON!

THE MOST POPULAR PERFUMED

HAIR LACQUER

The **BEST VALUE** in
HAIR LACQUER REFILLS!

New exclusively designed bottle

No. 12 Lacquer Refill Bottle — ECONOMY SIZE

11/9 per dozen plus 27½% P.T. Retails 1/9

BACKED BY NATIONAL ADVERTISING

ANDRÉ PHILIPPE LIMITED

71-71b, GOWAN AVENUE, FULHAM, LONDON, S.W.6.

Telephone: RENown 2194/2397



BRINGS EXTRA BUSINESS —
TIDMAN'S
BATH SEA SALT
"SEA BATHS AT HOME"
—throughout the year!"

Minimum Wholesale Price	Purchase Tax	Suggested Retail Price including Purchase Tax
27/- per doz.	7/5 per doz.	3/7 (3 doz. to a case)
44/4 per doz.	12/2 per doz.	5/11 (1½ doz. to a case)
105/9 per doz.	29/1 per doz.	14/2 (14 lb bags)
31/8 each	8/8 each	48/- (56 lb bags)
56/4 each	15/6 each	85/11 (1 cwt. bags)

TIDMAN & SON LTD 91 OLD CHURCH ROAD, CHINGFORD, LONDON, E.4

TRADE MARK **'VERLGO'** SURGICAL ELASTIC HOSIERY

Registered Brands: VERLOSHEER, VERLOFABRIK, VERLONET
All qualities approved under N.H.S.

BELTS, TRUSSES, SUSPENSORY BANDAGES, ETC.
THOS. GLOVER & SON., LTD. CARLTON, NOTTINGHAM
Tel.: 248227 (2 lines) *Grams: Verlog, Nottingham

BURROUGH'S ABSOLUTE ALCOHOL

JAMES BURROUGH LTD · VAUXHALL ST · LONDON S.E.11

INDEX TO ADVERTISERS

Aerosmoke Ltd.	Price List	4	Cussons Sons Co. Ltd.	Int. Edit.	12
Allen & Hanburys Ltd.	Front Cover		Cuxson Gerrard & Co. Ltd.	Int. Edit.	11
Allen & Hanburys Ltd.		3	Dixor Ltd.		13
André Philippe Ltd.		4	Glover, Thomas & Son Ltd.		4
Antigen Ltd.		17	Goya Ltd.		7
Bateman-Jackson		5	Haffenden, W. W. Ltd.		6
Blythe, William & Co. Ltd.		13	Lombard Banking Ltd.	Int. Edit.	11
Brandt, R. & Co. (Mfg.) Ltd.		18	Macdonald & Son Ltd.		10
Bristol Myers Co. Ltd.		5	Photo Laboratories (London) Ltd.		17
British Dyewood Ltd.		18	Progress Shaving Brush (Vulvix) Ltd.		18
Brown, N. C. Ltd.		18	Ransom, William & Son Ltd.	Cover	iii
Burrough, James Ltd.		4	Smith & Hill (Chemists) Ltd.		13
Burroughs Wellcome & Co.	Price List	1	Southalls (Sales) Ltd.		1
Chelsea Drug & Chemical Co. Ltd.	Price List	5	The James B. Williams Co. (England) Ltd.		8
Ciba Laboratories Ltd.	Cover	ii	Uniclife Ltd.		2, 8
Comby (London) Ltd.		9	Weinberger, Henry Ltd.		8
Counterpoint Store Equipment Ltd.		7			
Cox, Arthur H. & Co. Ltd.	Cover	iv			

Now! Get extra profits with Ingram.



Packed in handy sell-out box

■ Deal terms can give you two tubes free on every dozen.

■ This means 6/- extra profit per dozen.

■ Free sachet of Zip Wax car wash with every tube will move sales fast.

Full details from your Bristol-Myers rep., your wholesaler, or direct from:
Bristol-Myers Co. Ltd., (Sales Office), Stonefield Way, South Ruislip, Middlesex. Tel. VIK 5541.

TUBIGRIP Brit. Pat 840523

Elasticated tubular bandage ($\frac{1}{2}$ yd pack) N.H.S.



for support and rehabilitation

SIZE $2\frac{1}{2}$ " (G4) — for small adult limbs, wrists and ankles
SIZE 3" (G4X) — for adult elbows, arms, medium legs, swollen wrists and swollen ankles
SIZE 4" (G5) — for thighs, larger adult legs and knees
(Tubigrip is also available in one yard or 12yd rolls—not N.H.S.)

● Full descriptive literature is available on request

TUBIGRIP elasticated tubular bandages are ideal for a wide range of vital applications including support for weakened muscles and joints, the rehabilitation of limbs after the removal of plaster, the counteraction of many oedematous conditions and those resulting from thrombosis, phlebitis and varicose veins. Ideally suitable for sprains, strains and swellings.

TUBIGRIP is a great improvement on conventional materials as it affords adequate ventilation and does not cause ridging or cutting. It is easy to apply and will remain in position with no adjustment allowing free movement of joints. It washes well with no loss of elasticity.

Bateman-Jackson, Lamb St., Oldham, Lancs. Tel: MEDlock Head 2307
An associate company of Seton Products Ltd. Manufacturers and World Distributors of Specialised Surgical Dressings.





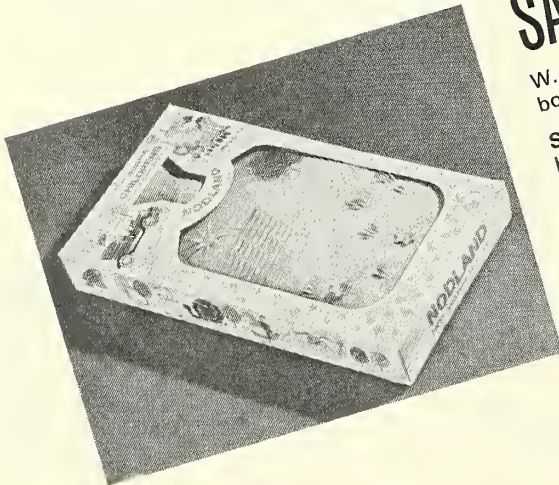
SALES AT THE DOUBLE!

W. W. Haffenden Ltd. present two unique hot water bottles for 1967-68 - designed for double profit!

Slumberdeep de luxe - a luxury-padded nylon quilted bottle in pink and blue.

Nodland - a three-dimensional full sized junior bottle in a striking gift pack.

Also designed to boost your profits - a wide range of plain and ribbed hot water bottles. Competitive prices can be quoted for customer's own-brand bottle . . . write for full details today.



RICHBOROUGH RUBBER WORKS, Sandwich, Kent

Dispensaries are quickly and economically fitted by Counterpoint



Counterpoint are the specialists in complete Pharmacy interiors including *dispensaries*. Craftsman-made with superb quality and finish at a price you can afford. Quick and economical to fit—can be varied or adjusted at anytime. Flexible—all units are interchangeable. Ultra-modern in design to give maximum visibility in the minimum of space plus quicker, easier merchandise selection. Expert advice by a Pharmacy specialist offered free. Leasing and Hire Purchase facilities available.

Visit our showrooms: 243 Euston Road,
London, N.W.1. Tel: Euston 0071
Head Office & Factory: Eldon Wall Trading
Estate, Eldon Way, Hockley, Essex.
Tel: Hockley 2532



Counterpoint

Counterpoint Store Equipment Ltd., Eldon Wall Trading Estate,
Eldon Way, Hockley, Essex.

Please send me your brochure

FOR THE ATTENTION OF

ADDRESS

C26

Goya

HAVE PLEASURE IN INVITING YOU TO A CHRISTMAS TRADE SHOW

9 A.M.—9 P.M.

TOWN	DATE
Rougement Hotel Chatsworth Room, EXETER	3–6 July
Skyway, Section A Banqueting Suite, SOUTHAMPTON	18–20 July
Queen's Hotel Rooms 14/15, CARDIFF	24–27 July
Greyhound Hotel Scarbrook Room, CROYDON	31 July–3 August
Midland Hotel Rooms 117/125, MANCHESTER	31 July–4 August
Brent Bridge Ballroom (Centre), HENDON, NW4	7–10 August
Five Bridges Hotel Washington Suite, GATESHEAD	7–11 August

ANNOUNCEMENT

Pacquins Hand Cream and Hand Lotion

On June 30th, 1967, Unicliffe Limited acquires from Scott & Bowne Limited the business of manufacturing and selling Pacquins Hand Cream and Hand Lotion. Pacquins hand care products will continue to be available from wholesalers but from July 1st, 1967, all direct orders should be sent to:

**Distribution Department,
Unicliffe Limited, Unimart House,
Stonar, Nr. Sandwich, Kent.
Tel. Sandwich 2372 · Ext. 060**

The James B. Williams Company (England) Limited

announce the appointment of

Chemist Brokers

as sole distributing agents
in the United Kingdom
for the

WILLIAMS

range of men's toiletries

(as successors to Messrs. Scott & Bowne Limited)

From 1st July, 1967, orders and enquiries should be addressed to Chemist Brokers, Crown House, Morden, Surrey. Tel. 01-542 7284.

ICE BLUE AQUA VELVA After Shave	WILLIAMS LECTRIC SHAVE
ICE BLUE LECTRIC SHAVE	WILLIAMS Shaving Sticks
ICE BLUE Cologne	WILLIAMS ICE BLUE Lather Shaving Cream
ICE BLUE Deodorant Stick	ESQUIRE ICE BLUE Brushless Shaving Cream
ICE BLUE Men's Talc	

► Sundries that Sell on SIGHT...

Increase your sales of cosmetics and toiletry items at minimum cost of space, selling time, and handling, with the Olive self-service dispenser 6600.

This lightweight revolving metal unit, presents an assortment of 15 popular items including nail clippers, scissors, emery boards, tweezers, cosmetic pencils and brushes.

★ Order from your usual wholesaler.

Complete the coupon for comprehensive illustrated leaflet.



Goods cost: £12.19.3

Purchase Tax: £3.7.1

Total cost
to Retailer: £16.6.4

RETAILERS
PROFIT: £6.16.4

To: HENRY WEINBERGER LTD.
20 Bowling Green Lane, London, E.C.1
Please send me leaflet 6600

NAME

ADDRESS

"My Wholesaler is

Comby

and
**"THREE CASTLES"
 Brush Deals**

DEAL No. 1 — THREE CASTLES

Grilon & Bristle—Maple wood
 Prices from 16/3—19/6
 12 brushes (8 patterns—incl. the popular Spiral)

DEAL No. 2 — THREE CASTLES DE LUXE

Grilon & Bristle and pure bristle
 Duo-tone Walnut/Maple
 Prices from 17/6—25/-
 12 Brushes (6 patterns)

DEAL No. 3 — COMBY

Synthetic filling.
 Lacquered wood and satinised plastic
 Prices from 6/- — 10/6
 12 Brushes (6 patterns)

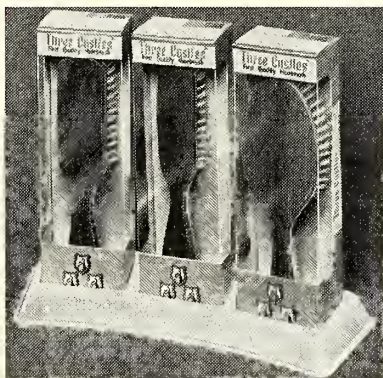
DEAL No. 4 — COMBY "DECORATED"

Opalescent with floral spray
 Prices from 8/6—21/6
 12 Brushes (4 patterns—incl. pneumatic)

FREE

with every
 deal

- DISPLAY STAND
- BONUS BRUSH



FROM YOUR WHOLESALER

SOLE DISTRIBUTORS:

COMBY (London) LTD 9 Violet Hill N.W.8
 Tel: 01-624 7357



CHEMIST AND DRUGGIST

ESTABLISHED 1859

THE WEEKLY NEWSPAPER FOR PHARMACY
 and all sections of the drug, pharmaceutical,
 fine chemical, cosmetics, and allied industries

*Official organ of the Pharmaceutical Society of Ireland
 and of the Pharmaceutical Society of Northern Ireland*

Volume 188

July 1, 1967

No. 4559

CONTENTS

Correspondence	12
Guide to New Medicaments	18
In Parliament	6
Leading Article:—	
Poisons Status Complications	13
New Products and Packs	11
Onward from Galen	13
Photographic Notes	9
Topical Reflections	3
Pharmaceutical Committees Hear of	
Oncost Cut	4
Social-security Benefits	5
Double Winner of the Queen's Award	8
Polyester Film Base	9
Hospital Pharmacists' Responsibilities	14
Largest Producer of Paperboard	15
Now Manufacturing Direct	15
Achieving Co-ordination in Eire	16
History of Pharmacy Society	17
Business Changes	7
Coming Events	21
Commercial Television	22
Company News	6
Contemporary Themes	21
Deaths	8
Expansion Projects	15
Information Wanted	10
Local Officers	3
New Companies	21
N.H.S. Statistics	17
Notes on Medicaments	20
Overseas Visits	7
Packaging Notes	9
Patents	21
Personalities	8
Photographic Notes	9
Prescribers' Press	22
Print and Publicity	22
Sport	2
Trade Marks	20
Trade Notes	10
Trade Report	19
Wills	21

Index to Advertisers p. 4 Classified Advertisements, p. 19

PUBLISHED BY

MORGAN BROTHERS (PUBLISHERS), LTD.,
 at 28 Essex Street, Strand, London, W.C.2

Telephone: 01-353 6565

GLASGOW: 8 Merrylee Road, Newlands, S.3. Phone: Merrylee 6356.
 LEEDS: 16: 32 Wynford Rise, West Park. Phone: Leeds 67 8438.

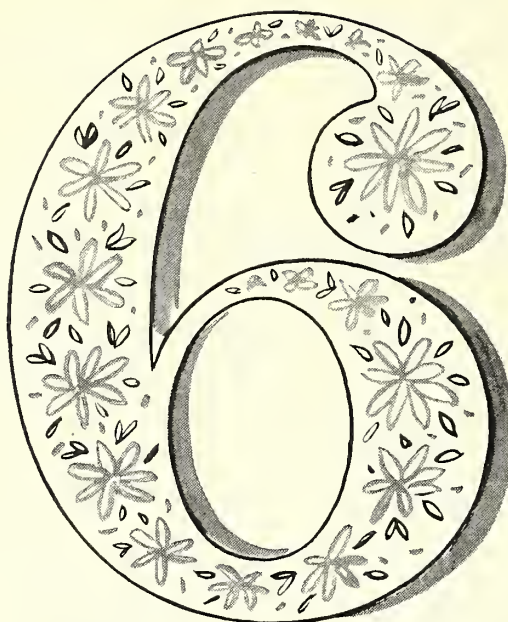
ANNUAL SUBSCRIPTION

which includes The Chemist and Druggist Diary and Year
 Book, £4 5s. Single copies 1s. 3d. each (postage 8d.).



MEMBER OF THE AUDIT BUREAU OF CIRCULATIONS

© MORGAN-GRAMPIAN, LTD., 1967



good reasons why you should stock

BabyLife

baby care products

1. Top Quality Range. This is a top quality—top value range. Take the BabyLife nappi-pak—super soft roll of gauze-covered absorbent cotton wool nappies retailing at 2/- per roll.

2. Top Profit Margins. Every item offers competitive prices and good profits for you.

3. Special Offers Profitability. BabyLife brings the opportunity to boost profits even higher: Nappi-pak OFFER

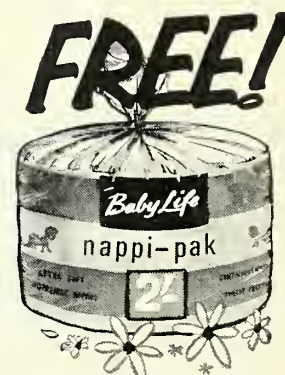
5 FREE ROLLS on 4 dozen ROLLS
2 FREE ROLLS on 2 dozen ROLLS

4. Tremendous Choice. The BabyLife range includes nappi-paks, baby pants, feeders, cotton wool, baby squares, nursery toys, harness, etc.—every item geared to the needs of your market.

5. Consumer Confidence. The combination of wide choice and quality ensures the satisfaction of your customer. BabyLife brings the best for her baby.

6. Your Complete Satisfaction. Top quality, top value, top profits and satisfied customers. Plus the convenience of buying a complete range from one manufacturer. Send now for the BabyLife Catalogue and Price List.

MACDONALD & SON, PORTLAND MILL, ASHTON-UNDER-LYNE, LANCs.



**BONUS
OFFER**

**CLOSING DATE
JULY 22nd**



C & D

CHEMIST AND DRUGGIST

Volume 188

JULY 1, 1967

No. 4559

Oncost Cut by 2 per cent.

CONTRACTORS' REPRESENTATIVES TOLD

THE Central N.H.S. (Chemist Contractors) Committee has agreed "most reluctantly, and without prejudice to the negotiations when the final results of the inquiry become available" to a proposal by the Minister of Health to reduce from 13 per cent. to 11 per cent. from July 1 the rate of oncost paid to contractors (equivalent to 1.77d. per prescription). The reduction is an interim arrangement to be reviewed at the end of the year in the light of the final agreement on costs following the 1966 inquiry. From October 1 a further reduction of $\frac{1}{2}$ per cent. in the rate on oncost to 10 $\frac{1}{2}$ per cent. is being made in order to recover the accumulated over-payments.

That information was given by the Committee's chairman (Mr. G. T. M. David) at a meeting of representatives of Pharmaceutical Committees held in London on June 27 in the course of an address which is reported on p. 4.

British Standards

PACKAGING CODE REVISED

THE section of the British Standard Packaging Code which deals with paper and board packaging has been revised. BS 1133: Section 7: 1967—Packaging Code. Section 7. Paper and Board Wrappers, Bags and Containers—covers all kinds of paper and paperboard materials from wrapping papers to paper bags, envelopes, paper sacks, paperboard boxes, and fibreboard packaging cases and drums. The subsection covering films and foils has been omitted from this edition, since a revised and very much expanded version of this now forms Section 21 of the Packaging Code, published in 1964. Detailed guidance is given for both the composition and uses of each type of material and container. Copies of BS 1133: Section 7 may be obtained from the BSI sales office, 101-113 Pentonville Road, London, N.1. Price £2 each (postage 2s. extra will be charged to non-subscribers).

Asthma Aerosols

DUNLOP COMMITTEE WARNING

NO. 5 in the *Adverse Reactions Series* circulated to doctors by the Committee on Safety of Drugs warns of the possibility of overdosage from pressurised aerosols containing drugs for the treatment of bronchial asthma. There is no suggestion that the aerosols concerned, properly used, deliver an excessive dose, but there have, however, been ten deaths reported to the Com-

mittee in which there has been strong, if circumstantial, evidence that they have occurred as a result of patients administering to themselves excessive doses of the drugs involved. Such excessive dosage will not give more relief of asthmatic attacks than the proper dose, but may be dangerous and even fatal by reason of an adverse effect on the heart. Against those ten deaths must be set the fact that well over a million of the devices are prescribed annually in England and Wales by general practitioners. All manufacturers, at the Committee's request, are putting a warning label on their products to the effect that it is dangerous to exceed the recommended dose. The Committee, in consultation with the manufacturers, is currently considering what further steps may be taken to minimise the risks of overdosage with those preparations including, it is understood, the possibility of having the aerosols included in Schedule IV of the Poisons Rules. The leaflet also draws the attention of prescribers to the need for reporting serious adverse reactions to vaccines and other immunological agents.

Drummond Fellowship

RESEARCH IN NUTRITION

THE managing trustees of the Drummond Trust, University College, Gower Street, London, W.C.1, are in October considering applications for a senior Drummond fellowship for research in nutrition. The fellowship is valued at £1,200 to £1,500 each year, to which may be added a grant for expenses not exceeding £50 per annum and, in addition, up to 10 per cent. of the stipend may be paid towards superannuation. The fellowship, normally tenable for two years, is being given to a candidate with biochemical interests in the

field of inherited metabolic disease. Persons elected to a fellowship are required to begin their work on or about January 1, 1968. Particulars and application forms may be obtained from the honorary secretary of the Trust at University College, Gower Street, London, W.C.1. Completed application forms must be submitted by September 30.

Travellers' School Sold

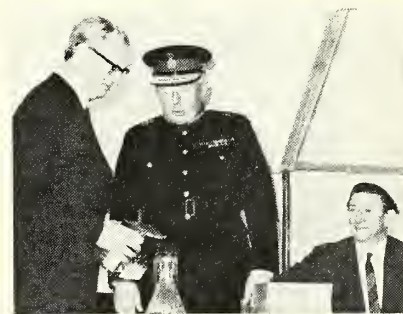
AID CONTINUES BY OTHER MEANS

THE school site and buildings at Hatch End, Middlesex, occupied by the Royal Pinner School (formerly Royal Commercial Travellers' School) for over a century are to be sold to the London Borough of Harrow for £705,000. The School closes on July 31 and will then be replaced by Royal Pinner School Foundation with the object of promoting the education and welfare of children of commercial travellers, primarily those who are orphans.

Health Education

NEW ADVISORY LEAFLETS

THE Central Council for Health Education has issued three new leaflets on drugs. "Aspirin—Safe or Sinister?" (L. 150) answers for the layman the question it poses, describes how to avoid and to treat overdosage, and indicates when aspirin should not be taken. Warnings on the abuse of nar-



QUEEN'S AWARD AT FERNHURST: On June 14 the Lord Lieutenant of Sussex (the Duke of Norfolk) presented the Queen's Award to Industry to Plant Protection, Ltd., a subsidiary of Imperial Chemical Industries, Ltd., and to I.C.I.'s pharmaceuticals division, at a joint ceremony at Fernhurst, the Sussex headquarters of Plant Protection, Ltd. Each award had been granted for export achievement (won for the second time by pharmaceuticals division). Picture shows the award being received by Mr. R. G. Hoare (chairman of the pharmaceuticals division).

cotics are given to adults in "Ourselves, Drugs and Young People" (L.155) and to the young in "Drugs? You Don't Need Them" (L. 154). Copies are obtainable from the Council at Tavistock House North, Tavistock Square, London, W.C.1 at a cost per doz. of 2s. 6d. for L. 154 and 150 and 2s. for L. 155.

Agricultural Chemicals

MORE APPROVED PRODUCTS

THE Agricultural Departments of the United Kingdom announce that the following products have been approved under the Agricultural Chemicals Approval Scheme:—

Insecticides

CHLORFENVINPHOS, GRANULAR FORMULATIONS: Sapecon granules (Ciba Agrochemicals, Ltd.)

Herbicides

2,4-D ESTER FORMULATIONS: Cleanacres 2,4-D ester (Cleanacres, Ltd.)

DICHLORPROP WITH 2,4-D, AMINE SALT FORMULATIONS: Garners Polykill-Plus (Sidney Garner & Sons, Ltd., The Granaries, Sutton Bridge, Lincs.)

DICHLORPROP WITH MCPA, POTASSIUM AND SODIUM SALT FORMULATIONS: Stantox "Double Plus" (S.D.C. Pesticides, Ltd.)

DICHLORPROP WITH MECOPROP. A further mixture of dichlorprop has now been approved. It is a translocated weedkiller for post-emergence use in cereals. Controls many broad-leaved weeds especially redshank and black bindweed as well as those weeds controlled by mecoprop. POTASSIUM AND SODIUM SALT FORMULATIONS: Redipon (J. D. Campbell & Sons, Ltd.)

MECOPROP, POTASSIUM AND SODIUM SALT FORMULATIONS: Garners C.M.P.P. (Sidney Garner & Sons, Ltd.)

SODIUM MONOCHLORACETATE, SOLUBLE POWDERS: Herbon Somon (Herbon, Ltd.)

Seed dressings

ORGANOMERCURY, DRY DRESSINGS: Ceresan NS (Plant Protection, Ltd.)

Radiosterilisation

INTERNATIONAL PANEL'S REPORT

RECOMMENDATIONS for a code of practice for radiosterilisation of medical products are set out in a report

published by the International Atomic Energy Agency (I.A.E.A. technical report series No. 72, H.M. Stationery Office, price 14s. 2d.). The report is that of a panel which met in Vienna in January 1966. It begins with a paper on "Aspects of Radiation Microbiology Fundamental to the Sterilisation Process" by Dr. A. Tallentire (Department of Pharmacy, University of Manchester). There follow technical reports, and the subsequent discussions, from the participating countries.

IRISH NEWS

THE REPUBLIC

A £6,000 Extension

OPENING BY COMPANY'S CHAIRMAN

A £6,000 EXTENSION to the Irish headquarters of the Bayer Products Co., Winthrop House, 28 Harcourt Street, Dublin, was officially opened recently by the company's chairman (Mr. C. R. B. Williamson). Mr. Williamson had flown in from London with other senior directors. After the ceremony in Dublin Mr. J. W. O'Farrell (general manager and director), on behalf of the Dublin staff, made a presentation to Mr. Williamson. Members of the staff were introduced to Mr. Williamson and his fellow directors, who then went on a tour of the extensions. Later they met at a reception leading medical consultants and leaders of Irish pharmacy and pharmaceutical industry. Mr. Williamson said that the company, which had been established in the Republic for over thirty years, was now well consolidated in Ireland and hoped to play an increasing rôle as a research-based pharmaceutical company.

IRISH BREVITIES

THE NORTH

THE Weights and Measures Act (Northern Ireland), 1967 has been published by H.M. Stationery Office, 7 Linenhall Street, Belfast, 2 (price 6s.).

NEWS IN BRIEF

THE Home Secretary (Mr. Roy Jenkins) has restored to John Millar Matthew, M.R.C.S., L.R.C.P., M.B., New Place, Sandy Lane, Charlton Kings, Cheltenham, his authorities to be in possession of and to supply Dangerous Drugs.

FIFTY thousand doses of oral poliomyelitis vaccine have been sent as a gift to the Ministry of Public Health, Guinea, by the Wellcome Foundation, Ltd., as part of a company offer of 500,000 doses which the World Health Organisation accepted in 1964 to meet emergency demands.

THE meeting of the Pharmaceutical Whitley Council Committee C that was to have been held on June 28 has been postponed to July 26. The staff side have "reluctantly agreed" to the postponement to allow the management side more time to consider a claim for increased remuneration with regard to the Government's incomes policy.

AFTER the new Hull Royal Infirmary was opened by the Queen on June 16, Mrs. H. S. Brocklehurst J.P., F.P.S., (chairman of the Hull (A) Group Hospital Management Committee) expressed the thanks of the Committee and of the City to the Queen for her presence. Later the Queen toured the hospital, visiting the new group pharmacy, where the group pharmacist, (Mr. R. J. Barrett) was presented to her.

AN addition to the classified list of proprietary pharmaceutical preparations (Proplist), issued by the Ministry of Health and the Scottish Home and Health Department, includes seventy-one products which the Standing Joint Committee on the Classification of Proprietary Preparations have classified since April. (see *C. & D.*, May 6, p. 413). It also revises the list of borderline substances — normally regarded as foods but which would be regarded as drugs when used for the treatment of specified diseases.

THE Scottish Home and Health Department has asked regional hospital boards to consider the second report of the Interdepartmental Committee on Drug Addiction (The Brain Committee) (see *C. & D.*, November 27, 1965, p. 540) and to plan treatment centres for drug addiction. The memorandum (S.H.M. 36/1967) issued on June 13 also asks the boards to prepare and maintain lists of doctors at the treatment centres who are to be authorised to prescribe "restricted" drugs, initially heroin and cocaine, to addicts.

SPORT

Bowls

SCOTTISH CHEMISTS' BOWLING ASSOCIATION. The rink championship for the *Ayrton Saunders trophy* and miniature cups was played on the green of the Kinnoull bowling club, Perth, on June 7, resulting in a win by 10 shots for the rink skip R. A. Condie; F. B. Gray (third); T. Evans (second) and A. K. Patrick (lead).

ULSTER CHEMISTS' BOWLING ASSOCIATION. The annual match between wholesalers and retailers for the *Challenge cup*, was played at the Ulster Chemists' Association green, Jordanstown, on June 10. Result was a win for the wholesalers, by a margin of 21 shots (wholesalers, 95; retailers, 74). Teams were



OFFICERS AND GUESTS: East Down Chemists' Association held their annual dinner in the Slieve Donard hotel, Newcastle, co. Down, recently. Seen here are the officers of the Association with the principal guests. Front row (left to right): N. W. Smyth (secretary); T. I. O'Rourke (president, Ulster Chemists' Association); A. T. Hardy (president, Pharmaceutical Society of Northern Ireland); R. F. Thornton (chairman). Second row: Mrs. Smyth; Mrs. McGregor; Mrs. Thornton. Third row: Mrs. Hardy; Mrs. Wellwood; Mrs. O'Rourke. Back row: K. McGregor and J. Wellwood (members of U.C.A. Executive).

as follows: Wholesalers, 1, T. G. Ellis; N. Robinson; W. McNally; A. E. Atkinson. 2, D. Hamilton; A. Hadley; W. Brown; W. W. Dinnen. 3, L. Jacobs; I. Anderson; H. McGowan; S. McIlroy. 4, S. Cohen; J. Scott; J. McCullough; A. Steen. Retailers, 1, H. Baird; J. D. Morrison; W. McConnell; R. Wilson. 2, T. Gray; J. T. O'Rourke; J. Patterson; C. S. Ritchie. 3, R. McCotter; J. Wellwood; J. McKee; R. M. Watson. 4, M. Mooney; J. Goudy; G. Hamilton; C. Boyd.

Golf

MANCHESTER PHARMACEUTICAL GOLFING SOCIETY. Latest outing of the Society was at Worsley golf club on June 7. *Results:* 1, B. Jenkins; 2, R. Evans.

SOUTH MIDLANDS CHEMISTS' GOLFING SOCIETY. A match was played at Goodwood golf club on May 14. *Results:* *Tiltner cup*, 1, Dr. C. K. Kolstad, 76; 2, E. Maulker, 77. *Visitors' prize*, T. R. Bartlett, 81.

ULSTER CHEMISTS' GOLFING ASSOCIATION. The annual retailers v. wholesalers competition for the *Apothecaries cup*, held at Ballymena golf club on April 19, was won by the wholesalers (captain, N. Robinson) by 5½ matches to 3½. The retail team was captained by F. Sharkey. Prizes presented by Dobbin & Stewart, Ltd., were won by.—*Wholesale*, 1, S. B. Walker and J. Bagues; 2, J. Hogg and W. Cochrane. *Retail*, 1, T. Murphy and J. Duncan; 2, W. A. Boyd and S. McCormick. In the *Waide shield* competition, held at Massereene golf club on May 9 an Ulster team (captain, T. Bagues) was successful over a Glasgow chemists' team (captain, J. Lindsay) by 5½ matches to 2½. *Prizes:* Glasgow chemists, 1, K. McKenzie and L. Dunn; 2, G. Smith and J. Lindsay. Ulster chemists 1, H. Mahood and G. Campbell; 2, H. Brown and F. Morrison. The Ulster team included Messrs. J. Esdale and D. P. Long, both directors of Thomas Waide & Sons, Ltd. The *Vestric competition* was held at Bangor golf club on May 17. Prizes were presented by Mr. F.



Mr. F. Morrison (general manager, Vestric Belfast), Ltd., with Mr. T. Bagues (captain) and other officials of the Ulster Chemists Golfing Association.

Morrison (general manager, Vestric (Belfast), Ltd.). *Results:* 1, T. Murphy, 38 points; 2, D. M. Kerr, 37 points. *Section A* (handicap 1-12), J. Fitzsimmons, 34 points; G. Taggard, 30 points. *Section B* (handicap 13 to 17), W. A. Boyd, 34 points; J. McCay, 33 points. *Section C* (18 and over handicap), J. Farrelly, 36 points; J. Hogg, 36 points.

LOCAL OFFICERS

PHARMACEUTICAL ASSOCIATIONS

Manchester. — *President*, Miss K. Applewhite; *Honorary Vice-president*, Professor M. Brindle; *Vice-president*, J. Morris; *Treasurer*, H. Burkinson; *Secretary*, Mrs. J. M. Rawcliffe, 75 Heaton Moor Road, Stockport, Ches.

PHARMACEUTICAL SOCIETY BRANCHES

Cardiff.—*Chairman*, Dr. G. M. Mitchell; *Vice-chairman*, J. E. H. Edwards; *Treasurer*, D. P. Howell; *Assistant Secretary*, P. A. Hollyman; *Secretary*, E. Davies, 14 Vishwell Road, Pencisely, Cardiff.

Manchester and Salford. — *Chairman*, J. Tomlinson; *Vice-chairman and Press Officer*, T. D. Clarke; *Treasurer*, H. Burkinson; *Secretary*, Mrs. J. M. Rawcliffe, 75 Heaton Moor Road, Stockport, Ches.

TOPICAL REFLECTIONS

By Xrayser

In and out

The proposed changes in the Poisons List and Rules announced on p. 578 must fill the pharmacist with alarm and despondency. It is becoming more and more difficult for him to remain a law-abiding citizen, and not all the laws in relation to poisons are to be classed along with those of the Medes and Persians. Until a few years ago it was necessary to have a prescription for certain preparations in the antihistamine group. It was later decided that that was carrying things a little too far, and they were released from bondage subject to certain cautionary statements in small print to which the conscientious pharmacist drew attention at the time of sale. The antihistamines now become First Schedule poisons. But if all I have mentioned calls for mental agility and a period of adjustment for the pharmacist, what effect is it likely to have on the untutored lay mind? It is fair to assume that the decision has not been taken without supporting evidence, and it may be that the effect of the antihistamines on the reactions of car drivers have been one of the influencing factors. Yet licensed road houses with parking accommodation continue to proliferate, hand in hand with public notices telling us that we should not ask a man to drink and drive. The proposed inclusion of quinine in the Fourth Schedule has been threatened for some time, and there are reasons for that. The experienced and conscientious pharmacist was generally able, by a few pertinent questions, to establish the purpose for which the drug was required. But quinine as treatment for the common cold has lost popularity with the advent of many newer remedies, some of which will now be affected by changes in the regulations, and it must also be remembered that a course of quinine treatment, effective or otherwise, for the simple cold must become the prerogative of the wealthy. Gilbert's Lord Chancellor continues to declare that "the law is a true embodiment of everything that's excellent, the law knows no fault or flaw"—but then Gilbert was not a pharmacist in this year of grace 1967.

Shopfitting and environment

Some of the illustrations dealing with shopfitting and display do not fill me with unbounded admiration, but it will have been obvious to those who read this column that my roots were put down in conditions of a vastly different description from those displayed. I share the feelings you express editorially in regard to the supermarket patterns shown on the last page. There is a great temptation to follow even on a small scale the lead of the large stores, which have gone over to the modern trend, for it is to be admitted that such bizarre (or should it be bazaar?) treatment succeeds in attracting the crowd, even if the conditions of display resemble the store of the older market place. But there are so many supermarkets, some of very modern size, that we seem to be losing any form of personal touch. The enormous increase in the range of even "traditional" cosmetics has made it necessary to make changes in the interior of most pharmacies, if only to try to make room for the goods themselves. But I don't share the view that medicines, of any kind, should be left open for sale without professional advice and influence. To allow self selection of proprietary medicines, regardless of their contents, in the way of the supermarkets, cannot be the way of the pharmacist who rejoices in a qualification.

Dignity and conformity

I have admitted to being a traditionalist in the matter of the appearance of a pharmacy, and indeed I think it is possible to modernise both interior and exterior while still conveying the impression that the pharmacy is not just another shop. Atmosphere is very important, and it should not be necessary for the public to look twice to see if the premises are pharmaceutical. A pharmacist I know well, who has retained his backcloth of shop rounds and ointment jars, tells me that such treatment, usually nowadays stigmatised as an anachronism, is meeting with increasing public approval, and in fact proving extremely popular. The approbation is publicly expressed, and that is a matter for gratification to him.

Pharmaceutical Committee Representatives

MEETING IN LONDON HEARS ONCOST CUTS EXPLAINED

ADDRESSING representatives of Pharmaceutical Committees which had been summoned to a meeting at the headquarters of the Pharmaceutical Society in London on June 27, the chairman of the Central N.H.S. (Chemist Contractors) Committee (MR. G. T. M. DAVID) said it was his hope to give them information on the current progress of negotiations with the Ministry. He would deal in some detail both with the current negotiations and with the events of the past two or three years, a knowledge of which was essential to the proper understanding of the present position.

Background

To understand the situation it was necessary to go back as far as the 1964 settlement, which was based on the 1962 inquiry. That inquiry had been notable in several respects. It had been based on a carefully designed statistical sample of 210 pharmacies, in place of the previous large sample of 2,000 (which, because of lack of co-operation from a large proportion of the selected pharmacies, was not truly representative). It had included a time-and-motion study to determine exactly how much time each member of the staff spent on his work, and it had been designed to determine factually, with one exception (the proprietor's notional salary), the various costs involved in dispensing a prescription. In the painful experience of the lengthy negotiations that had followed each previous inquiry, the Committee had determined to reduce to a minimum the area of disagreement. It had succeeded so well that, apart from a number of minor points that affected the results only marginally, the negotiations had centred on two main items (proprietor's notional salary and profit margin). Those precedents had been followed in the 1966 inquiry.

From the 1962 inquiry had arisen three items of reimbursement:—

- (1) Ingredient costs.
- (2) Labour costs (salaries, proprietor's notional salary, wages).
- (3) Fixed overheads (rent, rates, heating, lighting, etc.).

Those items (except for the proprietor's notional salary) had been determined quite factually by the inquiry. In addition, the negotiated profit margin at 5½d. per prescription had been allocated between the last two items of reimbursement in proportion to the national global figures for each. Finally the global figure for labour costs had been divided by the total number of prescriptions for 1962 to give the professional fee of just under ¾d. Similarly, the total of overhead costs had produced the average oncost of 14 per cent.

The division in that way made it easier to isolate individual items of cost, and also meant that contractors received the main part of their remuneration from professional fees and not from profit on ingredient costs, a figure that had been so vulnerable to

attack by the Public Accounts Committee.

One further important development had resulted from the 1964 settlement, namely the establishment of an annual review. That was regarded by the Committee, and also by the Conference, as vitally important if remuneration was to be kept up to date. Contractors had always suffered in the past from settlements that were several years in arrears, and from the refusal of the Ministry to make more than token retrospective payments. In addition, the reduction in the percentage of oncost meant that part of the hedge against inflation had been lost.

The first of these annual reviews had taken place at the end of 1964, when the various items of cost were brought up to date by the use of national indices. The results had shown that contractors had been overpaid by £240,000, and that relatively small amount was put into cold storage until the 1965 figures were known.

In February 1965 the prescription levy had been removed, and there had been an immediate upward surge in the number of prescriptions dispensed. The increase continued, and before the end of 1965 a letter had come from the Ministry telling the Committee the Ministry estimated that payments to chemists would exceed their entitlement by nearly £1 million and asking agreement to a reduction that would put chemists' account into balance again. In fact, the 1965 annual review had shown an overpayment of about £840,000. Negotiations had continued during the first half of 1966. The Committee had argued that the large increase in the volume of dispensing must have required a corresponding increase in staff and therefore labour costs. No figures could then be produced to substantiate that claim, and the Ministry had been to await the results of the inquiry. In August 1966 preliminary figures made it impossible for Committee to maintain that claim (in particular, the figure for idle time, at 8·2 per cent. was a reduction from the 14 per cent. of the 1962 inquiry, indicating that most of the additional work had been absorbed by existing staff. Finally, the Committee had agreed to accept a reduction of 1 per cent. in oncost, which could be expected to recover the overpayment in about a year.

Call for Reduction

During March this year the Ministry and the Committee received interim report No. 12 from the inquiry. It showed that 1966 dispensing costs were about fourpence per prescription lower than the figure previously calculated by up-dating the 1962 findings. Soon afterwards a letter from the Ministry asked for a meeting as soon as possible "to discuss an immediate reduction in remuneration rates." After a meeting with its experts, the Committee met the Ministry officials on May 4. They were clearly think-

ing in terms of a 3 per cent. reduction in oncost and an additional 1 per cent. reduction to recover past overpayments. After a long and difficult discussion the Committee had been able to persuade the Ministry to include in their calculations several increases in labour costs, the more important of them an extra £300 on the 1966 figure for the proprietor's notional salary (bringing that up to £2,200 for 1967) and the reference of that salary to a standard 49-hour week (with its effect of paying the proprietor for overtime work). Mr. David said he must make it clear that the increases were provisional figures submitted by the Committee and accepted by the Ministry of Health for purposes of the calculations, on the understanding that they would not prejudice either side in the negotiations that would take place in the autumn. In addition, it was agreed that, since the overpayments had been incurred over a period of three years, they should be repaid over a similar period.

New Figures Worked Out

Following that meeting the experts from each side worked out new sets of figures, and another meeting followed on again on May 25. The new balance sheets, taking account of the increased costs suggested at the previous meeting, showed a current overpayment of 1·8d. per prescription. Once again the Committee argued against any adjustment until the final figures from the inquiry were known. The Ministry had refused to agree, finally presenting what amounted to an ultimatum. They "would prefer to make the adjustment with the Committee's agreement but it was essential that current payments should be reduced to the level of current costs." They proposed reducing oncost by 2 per cent. from July 1 to eliminate the current overpayment and by a further ½ per cent. from October 1 to recover past overpayments over a period of approximately three years.

When the chairman opened the meeting to questions, MR. H. J. WILLERTON, Warwick and Solihull, asked whether the Ministry could not be persuaded to defer the announcement until after the week-end, so that contractors generally might learn of the change from their own Press rather than from lay sources. MR. DAVID replied that that was not possible. The timing of the announcement had had to be carefully worked out in conjunction with the Ministry, but in fact the Committee's *Newsletter* and an ECN would be received by members before the Press could publish the announcement.

MR. E. C. THONGER, Birmingham, said he had been instructed by his Committee to resist any "grinding down" on contractors' agreed remuneration. Chemists were not responsible for the increased number of prescriptions dispensed.

MR. MAXWELL GORDON, Leeds, said it was obvious that representatives were being asked to accept a *fait accompli*, but it would be unfair to fellow pharmacists not present if no comments were made on the "oncost" cut. The cuts depended on increased prescriptions, and chemists were "the only people who would suffer a decrease of earnings for increased productivity." Mr. Gordon also maintained that the Pharmaceutical Committee should have been allowed time to comment on the information given before the Contractors' Committee reached its decision. He recalled that, at the N.P.U. conference in November 1966, prospects had been described as "favourable." Had that been from false optimism or from a desire to avoid facing the truth?

MR. DAVID declared that the only alternative to accepting the present oncost cut would have been a return to the old "horse-trading." The present arrangements gave contractors a fair crack of the whip. The meeting had to be called at short notice and hence in a hall of limited capacity, so only one person per Committee had been capable of being invited. The

chairman pointed out that the meeting was not a delegates' meeting, but a meeting of representatives of Pharmaceutical Committees who should report back to their members. MR. J. WRIGHT (secretary to the Committee) appealed to members "Don't throw doubt on the sampling method" on which the figures were based.

Too Little Information—and Too Late

MR. C. SAMPSON, Leicester and Rutland, said that his Committee was disturbed at the inadequate information given beforehand about the meeting. It had not been stressed as an information meeting. His Committee was not happy that the present sampling method was based on a 49-hour week. That was grossly long by present standards. What allowance was made for remuneration to contractors above that number of hours? Could the new net profit be stated in terms of pence per prescription and was the basis global or *pro rata*? MR. DAVID replied that the 49-hour week had been decided upon at the time as an improvement on the previous basis, but the Committee would now have another look at it. The pence-per-prescription figure

was still 5½d., and the basis was not global but *pro rata*. In the Committee's view what was important was the net (not the gross) profit to contractors.

MR. C. G. MURRAY, West Bromwich, asked how an overpayment was possible on a fixed-profit basis? The Committee, he declared, had failed and should resign. MR. DAVID said the basic reason for the cut was that oncosts had risen much more steeply than overheads.

When MR. A. J. C. BULL, Hants, reinforced the complaint that Pharmaceutical Committees had been given no opportunity to discuss the information before attending the meeting, MR. DAVID replied that there were two reasons why it had not been circulated in advance. One was that not all the information had been available in time to do so, and the other that the Committee was most anxious that the information should be given at a question and answer session and not by letter. The negotiations, he said, were still going on.

Before the meeting closed a number of questions were asked and answered on other matters, notably rural dispensing.

Social-security Benefits

PROPOSED NEW RATES OF FLAT-RATE CONTRIBUTIONS

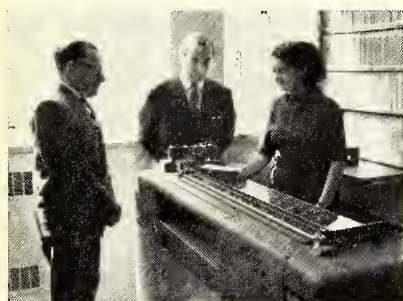
OLD-AGE pensions and other social security benefits are being increased in November. The higher benefits entail

a rise in contributions. Subject to the necessary Parliamentary approval the new contributions are to operate from

the week beginning October 30 and will be as follows (existing contribution rates shown in parenthesis).

1. EMPLOYED PERSONS (OTHER THAN THOSE CONTRACTED OUT OF THE GRADUATED SCHEME)

	MEN 18 OR OVER		WOMEN 18 OR OVER		BOYS UNDER 18		GIRLS UNDER 18	
NATIONAL INSURANCE								
Employed person	12s.	1½d.	(10s.	2½d.)	10s.	6½d.	(8s.	10½d.)
Employer	13s.	7½d.	(11s.	5½d.)	11s.	10½d.	(9s.	11½d.)
INDUSTRIAL INJURIES INSURANCE								
Employed person	10d.		(9d.)		7d.		(6d.)	
Employer	11d.		(10d.)		8d.		(7d.)	
NATIONAL HEALTH SERVICE								
Employed person	2s.	8½d.			2s.	0½d.		
Employer		7½d.				7½d.		
REDUNDANCY PAYMENTS SCHEME								
Employed person	—		—		—		—	
Employer		10d.		5d.		—		—
SELECTIVE EMPLOYMENT TAX								
Employed person	—		—		—		—	
Employer	25s.	0d.		12s.	6d.		12s.	6d.
TOTAL COMBINED CONTRIBUTIONS								
Employed person	15s.	8d.	(13s.	8d.)	13s.	2d.	(11s.	5d.)
Employer	41s.	0d.	(38s.	9d.)	26s.	1d.	(24s.	1d.)
Total	56s.	8d.	(52s.	5d.)	39s.	3d.	(35s.	6d.)



INFORMATION MORE SPEEDILY: To enable data on pharmaceutical and chemical patent publications to be found within minutes, the British Drug Houses, Ltd., have installed an I.C.T. 302 punched card sorter, with a special group selection device to trace the information on 15,000 punched cards. The new machine sorts at the rate of 400 cards a minute.

2. EMPLOYED PERSONS CONTRACTED OUT OF THE GRADUATED SCHEME

	MEN CONTRACTED OUT		WOMEN CONTRACTED OUT	
NATIONAL INSURANCE				
Employed person	14s.	6½d.	(12s.	7½d.)
Employer	16s.	0½d.	(13s.	10½d.)
INDUSTRIAL INJURIES INSURANCE				
Employed person	10d.		(9d.)	
Employer	11d.		(10d.)	
NATIONAL HEALTH SERVICE				
Employed person	2s.	8½d.		
Employer		7½d.		
REDUNDANCY PAYMENTS SCHEME				
Employed person	—		—	
Employer		10d.		5d.
SELECTIVE EMPLOYMENT TAX				
Employed person	—		—	
Employer	25s.	0d.		12s.
TOTAL COMBINED CONTRIBUTIONS				
Employed person	18s.	1d.	(16s.	1d.)
Employer	43s.	5d.	(41s.	2d.)
Total	61s.	6d.	(57s.	3d.)

3. SELF-EMPLOYED PERSONS

	MEN 18 OR OVER			WOMEN 18 OR OVER			BOYS UNDER 18		GIRLS UNDER 18	
NATIONAL INSURANCE	18s.	2d.	(15s. 10d.)	15s.	1d.	(13s. 2d.)	10s.	4d.	(9s. 0d.)	8s. 7d. (7s. 6d.)
NATIONAL HEALTH SERVICE	2s.	10d.		2s.	2d.		1s.	6d.		1s. 6d.
TOTAL COMBINED CONTRIBUTION	21s.	0d.	(18s. 8d.)	17s.	3d.	(15s. 4d.)	11s.	10d.	(10s. 6d.)	10s. 1d. (9s. 0d.)

4. NON-EMPLOYED PERSONS

NATIONAL INSURANCE	13s.	9d.	(12s. 1d.)	10s.	9d.	(9s. 5d.)	7s.	10d.	(6s. 11d.)	6s. 1d. (5s. 4d.)
NATIONAL HEALTH SERVICE	2s.	10d.		2s.	2d.		1s.	6d.		1s. 6d.
TOTAL COMBINED CONTRIBUTION	16s.	7d.	(14s. 11d.)	12s.	11d.	(11s. 7d.)	9s.	4d.	(8s. 5d.)	7s. 7d. (6s. 10d.)

IN PARLIAMENT

BY A MEMBER OF THE PRESS GALLERY, HOUSE OF COMMONS

MR. J. BRUCE-GARDYNE asked the Secretary of State for Scotland what was the net cost and the number of National Health Service prescriptions issued in Scotland over the latest period of twelve months for which the figures were available, and what was the corresponding figures for 1964. MR. W. ROSS (Secretary of State for Scotland), in a written answer on June 26, said that, in the year ended March 31, 27,059,528 prescriptions had been issued at a cost of £15,159,095. In the year ended December 31, 1964, 21,951,572 prescriptions had been issued at a net cost, after deducting prescription charges, of £9,166,586.

Decimal Currency Bill

The Decimal Currency Bill was given its third reading in the House of Commons on June 21 when attempts to substitute a 10s.-cent system failed. MR. JAMES CALLAGHAN (Chancellor of the Exchequer) said that there were three issues connected with the Bill, one was to change to decimalisation about which there was general agreement. The issue of the unit to be selected had been resolved "in the normal way of counting votes." The third issue, the setting up of the Decimal Currency Board at this stage, had also been a matter of general agreement. The Chancellor appealed to "traders of all kinds and to other interests" to turn to the Decimal Currency Board for advice and assistance. The Bill was considered in the House of Lords and given its first reading on June 22.

Summer Time

During question time on June 22, MR. ROY JENKINS announced that the Government were to introduce legislation to apply Summer time throughout the year in Great Britain in conformity with Central European time and clocks would be put forward an hour on February 18, 1968.

Dangerous Drugs Bill, 1967

MR. WILLIAM F. DEEDS asked the Home Secretary when he proposed to publish the regulations envisaged by the Dangerous Drugs Bill, 1967. MR. ROY JENKINS (Home Secretary) in a written answer on June 22, said it was hoped that notification regulations could be brought into operation in the Autumn and the prescribing regulations in the new year, but until consultations with the medical profession and other interests were further advanced, he could not say when the regulations would be published.

Quinine Sales

MR. DAVID E. F. LUARD asked the Home Secretary what decision he had taken on the report of the Poisons Board concerning the sale of quinine. MISS ALICE BACON (Minister of State) in a written answer on June 22 pointed out the Poisons Board had still to consider representations against its earlier recommendations and the Minister would not take a decision until he had "received its further report."

Hospital Building Programme

In a written answer to MR. THOMAS OSWALD on June 21, MR. WILLIAM ROSS (Secretary of State, Scotland) made a statement on the progress of hospital building in Scotland. Among the schemes completed during the year ended March 31, was an item — "City Hospital, Edinburgh, pharmacy and stores £67,000." In the list of schemes costing over £50,000 begun during the year ending March 31 there was "Southern General Glasgow, new pharmacy £110,000."

Detergents

MR. EDWARD J. MILNE asked the President of the Board of Trade if he was aware that the standard of detergents had been lowered and was giving cause to concern among consumers. MR. DOUGLAS JAY (President of the Board of Trade) in a written answer replied in the negative but added that he intended to keep under review the implementation of his agreement with the manufacturers following the Monopolies Commission Report and he would take up with them any evidence that indicated the arrangements were not working satisfactorily for the consumer.

Shop Hours

DR. HUGH GRAY on June 22 wanted to know if the Home Secretary would seek to modify the Shops Acts permitting more flexible hours of opening and closing during the holiday season. Miss Bacon said there was considerable scope under the Shops Act, 1950 for local authorities to vary the closing hours of shops in local resorts. The Home Secretary was considering the possible need for further powers of variation as part of his general review of shops hours legislation. Later MR. R. SHARPLES referred to the Government proposals for shop legislation that were published in a White Paper "over two years ago" and MISS BACON said that in the discussions and submissions received

by the Home Office there had been so much disagreement among those concerned about what ought to be done, that "we have not found any consensus."

Cyclamates

When MR. MICHAEL C. J. BARNES asked the Minister of Agriculture, Fisheries and Foods on June 21 to say why sodium cyclamate could be used in soft drinks and yet it was not possible to give the go ahead for their use in special dietary foods subject to the same safeguards. MR. THOMAS F. PEART (Minister of Agriculture, Fisheries and Food) said that he was now considering a further report from the Food Additives and Contaminants Committee on the result on recent work on the toxicology of cyclamates. He felt it was his duty to look at that report before making a final decision. MR. JOHN HALL asked the Minister to agree that there was considerable doubt about the possible effects of sodium cyclamate in foods. Its use was not at present permitted in the Common Market countries "or in the United States. Would the Minister consider carefully before agreeing to the use of sodium cyclamates in foodstuffs." Mr. Peart commented "that is what I am doing."

Bank Holidays 1968

MR. DOUGLAS JAY (President of the Board of Trade), in a written answer to MR. IAN LLOYD on June 15, confirmed the dates for Bank holidays in 1968. The Spring and late Summer holidays would be June 3 (Whit Monday) and September 2, 1968.

Farm and Garden Chemicals Bill

The Farm and Garden Chemicals Bill was read a third time on June 16.

COMPANY NEWS

Previous year's figures in parentheses

CHESEBROUGH-POND'S, LTD.—Dr. Carl E. Noble has been appointed managing director of the company in Great Britain.

PHARMACEUTICAL PACKAGING (LEEDS), LTD.—A new company under the above title has been formed by Thomas Waide & Sons, Ltd., to deal with marketing to the retail pharmaceutical industry.

ROUSSEL-UCLAF, Paris.—Net group turnover in 1966 rose to Frs. 734.1 million (from Frs. 663.3 m.), pharmaceutical specialities accounting for 59 per cent., bulk chemical for pharmaceutical use for 16 per cent. Export ratio rose from 51.4 per cent. to 53.5 per cent.

S. MURRAY & CO., LTD.—The managing director is now Mr. S. A. Muntz.

FARBWERKE HOECHST A.G.—The company has acquired the majority of the Dm.10,500,000 capital of the Reichhold Chemie A.G.

FISONS, LTD.—Messrs. O. G. Williams (chairman, Fisons Cambridge division) and H. J. Kahn (chairman, Fisons international division), have been appointed to the main board.

LAPORTE INDUSTRIES, LTD.—In their annual report the directors state that the group will need to raise additional finance shortly—"possibly during the next two years."

DREAMLAND ELECTRICAL APPLIANCES, LTD.—A dividend of 5 per cent., the first since the 4½ per cent. total for 1963-64, is declared for the year ended February 28. Profit is £23,229 (compared with a loss of £52,549 for 1965-66). There was no tax provision in either year.

ABBOTT LABORATORIES, LTD.—Dr. Ivar Cooke, B.Sc., Ph.D., has been appointed director of marketing. Dr. Cooke joins Abbott Laboratories from Arthur D. Little, Ltd., with whom he was a senior management consultant. During the first half of the 60's he was manager of the European chemical division of Quaker Oats, Ltd.

ASSOCIATED AEROSOL INDUSTRIES, LTD.—Mr. M. N. Conville has resigned his directorships with the company and with its subsidiary companies Aerosol Packaging Co., Ltd., and Armstrong Laboratories (International), Ltd. Mr. E. J. Hudson has been appointed general manager of Aerosol Packaging Co., Ltd., in addition to his present post as general manager, Armstrong Laboratories (International), Ltd.

H. BRONNLEY & CO., LTD.—Miss Ann Rossiter, M.A. (Hons.), has been



appointed to the board. After doing market research in the United States, Miss Rossiter took a year's course at a post-graduate business school. She is a daughter of Mr. and Mrs. G. Rossiter (joint managing directors)

and grand-daughter of the founder of the company. Other appointments announced are of Mr. A. J. K. Collins, as field sales manager and Mr. D. I. C. Elliott as area manager for the West End of London.

BCA PHARMACEUTICALS, LTD.—A joint statement by Cope Allman International, Ltd., and Berk, Ltd., said that they had agreed, with effect from July 1, to merge their pharmaceutical and veterinary interests in the U.K. by forming a joint company with equal shareholdings to be called BCA Pharmaceuticals, Ltd. Nominal capital of BCA will be £1.5m. and initially £1m. will be issued to acquire from their

parent companies the trading subsidiaries, Berk Pharmaceuticals, Ltd., and West-Silten Pharmaceuticals, Ltd., and its subsidiaries. The principal U.K. trading subsidiary of BCA will be Berk Pharmaceuticals, Ltd. The United Kingdom trading activities of West-Silten will be amalgamated with Berk Pharmaceuticals at Godalming, Surrey. According to the statement a substantial increase in exports is expected through the existing Silbe (West Silten) overseas network." Chairman of the new company will be Mr. S. Taylor and the managing director Mr. F. H. Chopping.

NATIONAL PHARMACEUTICAL UNION.—The annual accounts show that income from subscriptions during 1966 rose to £88,061 (from £76,906 in 1965). With other income the total was £88,756 (£77,509) being £9,071 (1965, (£24,956) more than the expenditure for the year. N.P.U., Ltd., made a net profit of £11,576 (£17,261). The report on the Chemists' Mutual Insurance Co. states that premium income increased 8 per cent. so that the total exceeded £146,000 with total assets of over £½ million. Unlike larger fire offices, C.M.I. made a profit on their fire underwriting but the reserve is increased by £10,000 as a precaution. On the burglary account the report says that it is in the members' interests to undertake further security measures to combat the growing number of burglaries. An unchanged dividend of 7½ per cent. is proposed in the case of N.P.U. (Holdings), Ltd., for the year ended March 31. The annual meetings of the group were held at 17 Bloomsbury Square, London, W.C.1, on June 27.

BUSINESS CHANGES

MR. K. MOORE, M.P.S., has closed down his pharmacy at 60 Fawcett Street, Sheffield, 3.

J. H. SKELTON, LTD., have closed down the pharmacy at Market Place, Eastwood, Nottingham.

RICKFORD BARNES, LTD., have acquired the pharmacy of A. J. Hall, Ltd., High Street, Maidenhead, Berks, and will trade under their own name.

The partnership conducted as H. A. Lewis—Chemist has acquired the business of the late Mr. L. W. Moore, 97a Melton Road, West Bridgford, Nottingham.

The London office of William Mason & Son, Ltd., and subsidiaries has been transferred to Raebarn House, Northolt Road, South Harrow, Middlesex (telephone: 01-864 0914).

H. HOCKEN, LTD., have given notice to customers of their Chipstead, Surrey, branch that their pharmacy at 4 Station Approach is being closed down.

PENNSALT, LTD., are acquiring from the engineering division of Berk, Ltd., the manufacturing and marketing rights of its micronising, drying and conveying plant and also its shotblasting and plastic coating plant and equipment.

HALL, FORSTER & CO., LTD., Newcastle upon Tyne, have acquired a majority shareholding in W. T. Colt-

man, Ltd., wholesale chemists, Middlesbrough. The latter company will continue to be operated under its own name, with Mr. A. H. Greenwell, B.Pharm., M.P.S., as managing director.

Appointments

ON **TARGET MARKETING**, 289 Green Lanes, London, N.13, have appointed Mr. M. Tanser their sales manager. (telephone: 01-882 1441).

PRINTAR INDUSTRIES, LTD., London, E.16, have appointed Mr. R. Patchett their sales representative to cover South-east London, Kent and East Sussex.

J. GROSSMITH & SON, LTD., 41 Piccadilly, London, W.1, have appointed Mr. E. G. Welch their representative for the areas covering London, N.W., W., S.W.1, Middlesex and Berkshire with effect from July 17.

SPERRY RAND, LTD., 26 Kensington High Street, London, W.8, have appointed Mr. S. B. Lloyd general sales manager of their Remington electric shaver division. Mr. Lloyd has been with the company as advertising manager since 1961.

EUCRYL, LTD., Oakley Road, Southampton, have reorganised the representatives' territories in their chemist division, as follows: Messrs. M. A. Moffatt, Yorkshire, Derbyshire; G. T. Wilkinson, Lancashire (except Manchester) and Westmorland; D. J. Linney, Cheshire, Staffordshire, Manchester, Shropshire, North Wales; J. C. Folkes, East Midlands, East Anglia; A. C. Beach, Warwickshire, Herefordshire, Worcestershire, South Wales; D. T. Williams, West Country, Hampshire; K. E. Hutchins, Sussex, Surrey, London W. and W.C. districts; V. H. Beavis, Home Counties, London N.W.; J. Freeman, Essex, London E. and N.; J. F. Day, Kent, London S.E., S.W. and E.C.; J. Young, Glasgow, North Scotland; D. C. McMillan, South Scotland, Northern England; Mr. J. E. Pepper is the sales manager and Mr. J. V. Hyde, field sales manager.

OVERSEAS VISITS

MR. J. WRIGHT (secretary and manager of the Chemists' Mutual Insurance Co., Ltd.) accompanied by Mrs. J. Wright, M.P.S., was guest of the pharmacy section of the *Caisse d'Assurance Vieillesse* at a recent weekend conference in Lyons. Mr. Wright had been invited to address the delegates on the facilities available to British pharmacists for sickness, accident and life insurance and retirement pensions.

MR. J. W. WEBB (general sales manager of proprietaries division, Aspro-Nicholas, Ltd.), Slough, Bucks, is visiting the United States to take part for six weeks in the eighth annual summer programme in marketing, management and research at Harvard. Mr. Webb will also be visiting major national multiple organisations to gain up-to-date knowledge of the consumer goods field in America. Messrs. Aspro-Nicholas are sponsoring the trip as part of a programme for middle and senior management.

PERSONALITIES

DR. CAROLINE HUSSEY (department of biochemistry, Trinity College, Dublin University) has been awarded a Shell research fellowship to support her research into "mechanisms of metabolic control in micro-organisms."

MR. E. LETCHFORD, M.P.S., The Pharmacy, High Street, Minster, Kent, has been elected chairman of Minster parish council. Mr. Letchford told the annual meeting of the council that it was his twenty-first year in the village.

ALDERMAN H. A. McKAY, M.P.S.N.I., J.P., Main Street, Larne, mayor of Larne, co. Antrim, Northern Ireland, since 1965, has been re-elected to that office. Mr. Kay has been on the council for twenty years and received the O.B.E. in the recent Birthday Honours (C. & D., June 17, p. 561).



FIFTY YEARS WITH THE COMPANY: Recently Mr. J. H. C. Marchant completed fifty years' continuous employment as chief carpenter and joiner with Arthur H. Cox & Co., Ltd., Brighton. Mr. Marchant was presented with a radiogram/tape-recorder by H. Roy Cox (joint managing director) on behalf of the chairman and directors.

DEATHS

ADAMSON.—On June 23, Mrs. Ada Kember Adamson, Avaron Brae, Alness, widow of the late Mr. Armit Haxton Adamson, M.P.S., F.N.A.O., Leven, Fife.

BAILLIEU.—On June 18, Lord Baillieu, K.B.E., C.M.G., president of the Dunlop Rubber Co., Ltd., and its chairman, 1949-57, aged seventy-seven. In 1944-45 Lord Baillieu was deputy president, from 1945 to 1947 president, of the Federation of British Industries. In 1959 he was appointed first president of the British Institute of Management.

JOHNS.—Recently, Major N. A. Johns, M.C., aged seventy-seven, a director of Berk, Ltd., from 1934 until his retirement in 1963. Major Johns was an authority on crude drugs and botanicals. He served on committees of the London Chamber of Commerce, British Standards Institution and Association of British Chemical Manufacturers [now Society of Chemical Industry].

MACLEAN.—Recently, Mr. Ashley Sigbert Maclean, Wormley, Herts,

formerly joint managing director of Maclean's, Ltd., aged sixty-nine. Mr. Maclean retired when the company became a part of the Beecham group in 1938.

MUNTZ.—On May 9, Mr. Sidney Muntz, senior managing director, S. Murray & Co., Ltd., Old Woking, aged seventy-nine.

STOCKWELL.—Unexpectedly, on June 16, Mr. Augustine Stockwell, M.P.S.I., 44 Redesdale Road, Mount Merrion, Dublin, Eire. Mr. Stockwell, a native of Tuam, served his apprenticeship at Woulfes, Grafton Street, Dublin, and qualified in 1945. Taking up an appointment at the Ballsbridge pharmacy of Hayes, Conyngham & Robinson, Ltd., he retired as manager three years later to become Irish medical representative of Eli Lilly and Co., Ltd. In that capacity he travelled the

entire country, though in recent years his activities were confined to the Leinster area. A founder member of the Irish Pharmaceutical Representatives' Association, and one of its ablest committee members, he took a keen interest in all pharmaceutical activities and in the arts and literature. Mr. Stockwell is survived by his widow, three daughters and two sons.

WALLIS.—On June 17, Mr. Jack Wallis, who was for many years employed by H. Bronnley & Co., Ltd., 10 Conduit Street, London, W.1, as area manager for the West End of London.

WILKINSON.—In Monaghan County Hospital, Eire, on June 13, Mr. Graham Wilkinson, registered dispensing chemist and druggist, Ballybay, co. Monaghan. Mr. Wilkinson is survived by his widow, a brother and sisters.

DOUBLE WINNER OF THE QUEEN'S AWARD

Lord Lieutenant visits B.D.H. factory

AMONG companies that gained a Queen's Award to Industry, 1967, one of the most outstanding performances was that of The British Drug Houses, Ltd., at whose works on June 22 the Lord Lieutenant of Greater London (Sir Gerald Templer) made the presentation. The company gained, in fact, a double award, both for the export performance of its laboratory chemicals division, and for the discovery and successful exploitation of the only British oral contraceptives. The second (in the field of technological innovation) was given to the company for its discovery and exploitation of two progestational steroid compounds that provide effective methods of population control. The compounds (dimethisterone and magesol acetate) are the bases of the company's oral contraceptives Volidan and Serial 28. About 66 per cent. of sales of the two products are direct exports, and the company draws substantial royalties on them, particularly from the United States. As, moreover, the largest exporter of laboratory chemicals in the United Kingdom, B.D.H. have exported during the past three years on average 36 per cent. of total production, selling to 123 overseas countries including China and Russia. The company markets more than 6,000 pure chemicals.

"Great, Sustained, Substantial" Effort

In making the awards THE LORD LIEUTENANT referred to the company's "great, sustained and substantial achievement." Its sales of contraceptives had multiplied ninefold since the year 1961, when the products were launched, and the company was one of only nine to gain awards in both categories in 1967. Sir Gerald had been welcomed by the company's chairman (MR. D. L. M. ROBERTSON).

Afterwards MR. F. W. GRIFFIN, M.B.E. (managing director) said: that the chemical work preceding the discovery of these two contraceptive products had been going since 1952. The patents for dimethisterone had been applied for in January 1957 and for magesol acetate in November

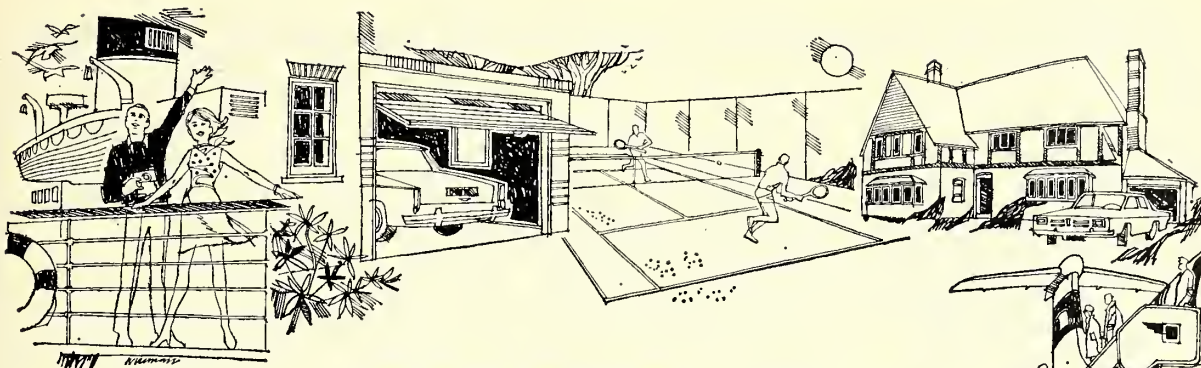


MR. D. L. M. ROBERTSON (right) chairman of the Group, receives the award from Sir Gerald Templer.

1958. The U.S. patent for magesol was finally granted to the company less than a month ago, after years of argument with rivals and after expenditure of a substantial sum of money. If one was ill, he would be ill for a relatively short period only, it might well be in one's interests to be given a fairly toxic drug for a short time—if it cured the illness. Oral contraceptives were taken by healthy people, and were taken over a long period of time, and so had to be safer in use than most drugs.

A Memento

Finally MR. G. W. MURRAY (an employee of the company's bottle department) presented to the Lord Lieutenant, as a memento of his visit, a pair of silver ashtrays engraved with the regimental crest of the Royal Irish Fusiliers (which Sir Gerald had joined fifty-one years ago and of which he was Colonel, 1946-60). The ashtrays were reproductions of original silver dishes captured from the Spanish Armada.



**A Lombard
Bank Loan
can help
you in
101 ways!**

HOUSE REPAIRS	REDECORATING	GARDEN
BUILDING A	MEDICAL OR	LANDSCAPING
GARAGE	DENTAL EXPENSE	SPORTS
HOBBIES	BUILDING A	EQUIPMENT
HOME	SWIMMING-POOL OR	HOLIDAYS
IMPROVEMENTS	TENNIS COURT	SCHOOL FEES
	ENTERTAINMENT	

These varied projects all have one thing in common; carrying them out requires finance. If you need help talk to us at Lombard Banking. Find out about our Bank Loans for amounts between £100-£500. Loans are strictly confidential, are repayable monthly over an agreed period, and interest charges qualify for income tax relief. Write *now* for full details to The Manager, Personal Loans Department (DC).



LOMBARD BANKING

LIMITED

Head Office: P.O. Box 1.EU, LOMBARD HOUSE, CURZON ST., LONDON, W.1. GROsvenor 4111 (30 lines)

REVISED TERMS OF BUSINESS

Owing to the continuing increase in the cost of transport and administration, we regret it has become necessary for us to introduce the following revisions. These come into effect on July 1st, 1967.

MINIMUM VALUE ORDER — £10-0-0 EXCLUDING PURCHASE TAX

MINIMUM CARRIAGE PAID TERMS —

BY OUR TRANSPORT £10-0-0 EXCLUDING PURCHASE TAX

BY PUBLIC TRANSPORT —

ENGLAND AND WALES £12-0-0 EXCLUDING PURCHASE TAX

**SCOTLAND, NORTHERN
IRELAND, ISLE OF MAN,**

CHANNEL ISLES £15-0-0 EXCLUDING PURCHASE TAX

A REMINDER

The majority of our Specialities are available from Vestric Ltd.



CUXSON, GERRARD & CO. LTD., OLDBURY, BIRMINGHAM

Telephone: BROadwell 1355

WIN A CORSAIR IN THE IMPERIAL LEATHER FILL A CORSAIR COMPETITION

2000 E

10 CORSAIR 2000 E's MUST BE WON
PLUS LOTS OF FABULOUS CYGNET TRAVELLING SETS

IT PAYS TO STOCK AND DISPLAY
IMPERIAL LEATHER

ALL YOU HAVE TO DO is fill in a pink form and a blue form to complete your entry. You get the pink form from the 3 dozen outer of Toilet size and the blue form from the 3 dozen BATH size outer.
(You will find both forms in the one dozen Giant size outer).

BUT REMEMBER that only outers specially marked "Corsair Competition" contain entry forms. Contest runs from June 1st to September 30th 1967.

FOR THE TRADE ONLY. This competition is restricted to members of the distributive trade.
The number of entries is not limited.

EXTRA
5%
CONTEST BONUS
UNTIL JULY 23rd
1967

TRADE ONLY COMPETITION
£12,000 IN PRIZES



PACKAGING NOTES

Preservation of Polyurethane.—A method of protecting polyurethane from fungal attacks (which is known to cause sponginess and deformity) has been published by the Printing, Packaging and Allied Trades Research Association, PATRA House, Randalls Road, Leatherhead, Surrey. The report is available free of charge to members of PATRA's printing division.

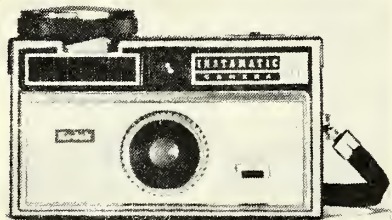
High-speed Counter.—Trumeter Co., Ltd., Milltown Street, Radcliffe, Manchester, have developed a high-speed mechanical counter for bottles, cans, aerosol packs and many similar metal, glass or plastic containers. The unit has been designed to withstand continuous working at high speeds and is sealed to conform to the most stringent standards of hygiene. The unit is supplied with a standard six-tooth star wheel designed to handle all sizes of container in commercial use. Special wheels can be supplied to suit most applications.

3-D Point-of-sale Material.—A "revolutionary" form of sales promotion material has been launched by Austin Packaging, Ltd., Bromborough, Wirral, Ches. The new Austin stereo three-dimensional printing process makes available "three dimensional" prints—either flexible or rigid—which may be used for large showcards, calendars, shelf strips, etc. Both single-image, Austinstereo and multi-image Austinstereo and multi-image Austinvue prints can be supplied. A feature of the Austinvue process is that a changing picture or message can be incorporated. Although not a cheap process, it is possible to produce small-size cards for under one penny. Messrs. Austin anticipate that the process will become more economical in the near future, making it a viable proposition for use on the package itself.

A "Super" Glass.—A new container glass, claimed lighter, tougher and brighter in appearance than traditional glass, scratchproof and cheaper to buy, is being introduced by Jackson Brothers (of Knottingley), Ltd., Headland Glassworks, Knottingley, Yorks. The new glass follows ten years of research by the company, resulting in production of a material which will permit the use of 1,000-a-minute-plus filling lines. Weight for weight, bottles of Super Glass (as the new material is known) are twice as strong as those of ordinary glass which mean that they can be made much lighter. Electronic testing has reduced the incidence of faults to a minimum. The glass is made from a new balance of basic glass ingredients, and new methods of adding surface ingredients after the glass leaves the forming machines, and is still hot, has been devised. A building programme of over £1 million will give the company an output of more than two million containers a day by 1970. The first stage of the development, due for completion later this year, will take production over the 1½ million mark. New forming machines will give greater accuracy and are designed to operate at roughly three times the speed of conventional forming equipment.

PHOTOGRAPHIC NOTES

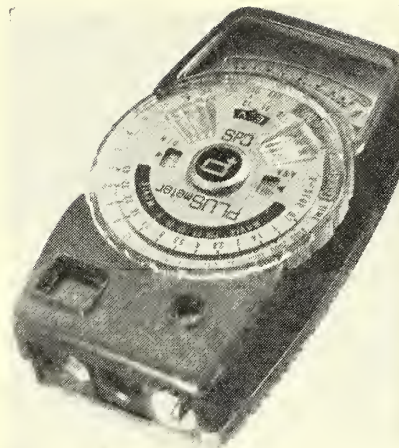
Motor for Speed.—The Instamatic 154 camera introduced by Kodak, Ltd., Kodak House, Kingsway, London, W.C.2, is a motorised version of the Instamatic 104 model, featuring automatic film advance by means of a spring motor that moves on the film for each exposure and automatically



winds off the film after the last exposure. It is claimed that twelve exposures can be made in as many seconds. Other features includes rotating flash socket for flashcubes, optical eye-level viewfinder, shutter speeds 1/90 and 1/40-sec. and fixed focus f/11 lens taking sharp pictures from four feet to infinity. The camera is supplied with a clip-on wrist strap.

Zoom Telescope.—Pyser - Britex (Swift), Ltd., Fircroft Way, Edenbridge, Kent, have introduced the Swift Telemaster 15-60 X 60 zoom telescope. Basically a viewing telescope the instrument can, by means of an adapter, be used as a 1,000-4,000 mm. telephoto lens for single-lens reflex cameras.

One-hand Operation.—The Plus CdS exposure meter of Paul Plus, Ltd., 29 King Street, Newcastle, Staffs, has



scales for both still and cine work and an exposure value scale, built-in incident light device, and a view-finder matched to the acceptance angle of the CdS cell. Shutter speeds range from 480 secs. to 1/4,000-sec., apertures from f/45 to f/0.7. Filming speeds cover 8-128 frames per second, and exposure value numbers from -6 to +18. The instrument is designed for one-hand operation.

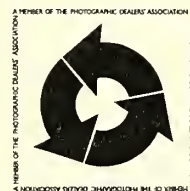


PHOTO TRADE SIGN: The design here shown has been selected from entries in a national competition as official symbol for the Photographic Dealers' Association.

POLYESTER FILM BASE

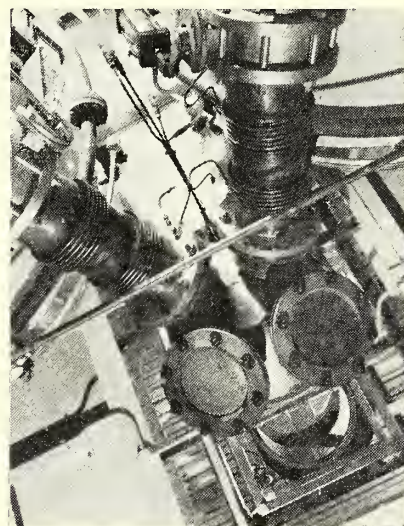
New Kodak plant now in production

PLANT recently completed at a cost of more than £2.5 million for Kodak, Ltd., is now producing polyester film base at the company's Harrow, Middlesex factory. The cost includes alterations to existing buildings, new construction work and equipment.

The thermoplastic film base is polyethylene terephthalate, trade marked as Estar, and is claimed to have marked advantages over cellulose-ester types of base (more dimensionally stable, tougher and more resistant to wear and tear). The material is produced in a range of thicknesses for x-ray, graphic arts, aero and sheet products, for which its properties are particularly valuable. Previously the company's polyester material was imported from the United States, and the saving in dollar imports is put at £1.7 millions. The plant occupies a floor area of about 130,000 sq. ft. Manufacture is by the melt casting process. The molten polyester (the raw materials of which are dimethyl-terephthalate (DMT) and ethylene glycol) is forced through a die to form a continuous sheet, which is then stretched in both the machine and cross directions to give it the desired mechanical properties. A final heat treatment stabilises those properties.

Production is highly automated, the equipment being controlled by more than 4,000 electronic and pneumatic

instruments on panels more than 300 ft. long. The panels are supervised by a crew of four, and the plant is being operated round the clock on a four-shift system.



A set of expansion bellows in the polymer making area of the new plant. The bellows are needed to allow for expansion of pipework and reaction vessels caused by the high temperatures used.

TRADE NOTES

Distributors in U.K.—J. L. Perl, Ltd., 14 Westbourne Crescent, London, W.2, are United Kingdom distributors of the original Finnish Sauna soap.

An Additional Flavour.—H. J. Heinz Co., Ltd., Hayes Park, Hayes, Middlesex, are launching nationally a 4½-oz. "junior" chocolate pudding in can.

Prices Revised.—Increases in the price of a number of specialties of Eli Lilly & Co., Ltd., Basingstoke, Hants, take effect on July 1. Different increases apply in the Irish Republic.

Measure Included.—Cow & Gate, Ltd., Guildford, Surrey, announce that their 16-oz. full- and half-cream carton packs each carry now an individual measure.

As Now in Drug Tariff.—Kendall Co. (U.K.), Ltd., 83 Pall Mall, London, S.W.1, have added stout seamless anklets and knee caps (now prescribable under the Drug Tariff) to their Burson range of elastic hosiery.

Works Holiday.—Manesty Machines Ltd., Speke, Liverpool, 24, are closing from July 28 to August 14 for the annual works holiday. A small number of office staff will remain on duty to deal with urgent inquiries.

Now in "Window" Pack.—Lewis Woolf Griptight, Ltd., 144 Oakfield Road, Selly Oak, Birmingham, 29, are now issuing their Freflo wide-mouthed infant feeding bottle in a window pack for better display and sales.

Agencies Taken Up.—Creme Simon (Distributors), Ltd., 31a Bedford Street, Strand, London, W.C.2, have taken up the agencies for *VéBé Vaporisateur*, Paris, France, an upright spray in handbag and table models; and of the Okay atomiser.

Replacements.—The discontinued No. 16 shampoos of André Philippe, Ltd., 71 Gowan Avenue, London, S.W.6 (see C. & D., June 24, p. 586) are being replaced shortly by No. 14 shampoo (rose, lemon, liquid and medicated) in a 4-oz bottle (a replica of No. 12 lacquer refill bottle with white reverse taper cap and matching label).

Sole Distributors.—The importing agent and main distributor for Nilodor is now NILODOR SUPPLIES CO., Daniel Street, Oldham, Lancs.—GEORGE SPENCER & SON, LTD., Kynance Place, Gloucester Road, London, S.W.7, have been appointed sole distributors for the United Kingdom of the Rugard eyeliner and eyeliner brush, Credo deodorant stick (from France) and Calaran permanent eyebrow and eyelash dye (from Sweden).

Cobalt Added Against "Pine". In order to provide an aid in the prevention of "pine" (an anaemic condition resulting from a cobalt deficiency in the diet) Merck Sharp & Dohme, Ltd., Hoddesdon, Herts, are now supplying their sheep and cattle wormer Thibenzole (in both liquid suspension and powder formulations) with a cobalt additive. Administering the trace element in that way has the advantage that it is given in the ordinary course

of routine worming and at no extra cost.

More in the Series.—Fassett & Johnson, Ltd., 96 De Beauvoir Road, London, N.1, have expanded their Olympic surgical hosiery range to include two-way stretch lightweight hose as well as standard nylon and cotton yarn in above-knee, below-knee and thigh lengths. A new "sophisticated but ethical" pack depicting the various sizes of surgical hosiery has a see-at-a-glance colour coding to facilitate control of stock and ensure immediate identification. The company maintain a 24-hour service on Olympic products.

Revised Terms of Business.—Cuxson, Gerrard & Co., Ltd., Oldbury, Birmingham, state that, owing to continuing increases in costs of transport and administration, they have had to revise their terms to retailers. Minimum-value orders now accepted are of £10 value, excluding purchase tax. Minimum carriage-paid terms are, by the company's transport, £10; by public transport £12 (Channel Islands £15), all excluding purchase tax. The majority of the company's specialties are available from Vestric, Ltd.

Discontinued.—BRITISH SCHERING, LTD., 225 Bath Road, Slough, Bucks, announce the withdrawal of Placodin tablets. Pharmacies holding stocks should return them to their local wholesaler for credit.—GEIGY (U.K.), LTD., pharmaceuticals division, Roundthorn, Industrial Estate, Wythenshawe, Manchester, 23, have discontinued issuing their speciality Hygroton-Reserpine.—MENLEY & JAMES LABORATORIES, Welwyn Garden City, Herts, have discontinued selling Vaprol roll-on chest rub (the product has been on test market in the Southern Television, South Wales and Manchester areas).

Changes of Distributor.—From July 1 CHEMIST BROKERS, Crown House, Morden, Surrey, are taking over the sole distribution in the United Kingdom of the Williams range of men's toiletries. Among the products are Ice Blue, Aqua Velva after-shave lotion and companion items, Ice Blue Cologne, talc for men, Lectric shave, deodorant stick and shaving creams, as well as the gold and green "lightning" pack containing both Aqua Velva after-shave lotion and Williams Lectric shave. Manufacturers are the James B. Williams Co. (England), Ltd.—On June 30, UNICLIFFE, LTD., Unimart House, Stonar, nr. Sandwich, Kent., are taking over from Scott & Bowne, Ltd, the business of manufacturing and selling Pacquins hand cream and hand lotion. The products will continue to be available from wholesalers but from July 1, all direct orders should be sent to Messrs. Unicliffe.

Nappy-pins.—Baby-Safe nappy pins, available from Whitecroft-Scovill, Ltd., are being heavily advertised in six leading mother-and-baby publications throughout the year. The head incorporates a safety tongue to prevent accidental opening. Sheathed in smooth plastic, it is colour fast (no colour to run and ruin nappies, no paint to flake



off and irritate tender skin, no sharp corners to snag and tear nappies). The whole pin, apart from the metal-lined, smooth plastic head, is made of stainless steel and may therefore be boiled and sterilised without fear of distortion. Colour choice with the plastic head is of baby blue, pink or yellow, and the pins come smartly and hygienically bubble-packed on cards of three.

Competitions

"Miss U.K. 1967."—The Miss United Kingdom 1967 beauty contest is being sponsored by Energen Foods Co., Ltd., Birling Road, Ashford, Kent. Finals take place in Blackpool in mid-August and the winner goes on to represent the United Kingdom in the "Miss World" contest in London.

Bonus Offers

COMBY (LONDON), LTD., 9 Violet Hill, London, W. 8, Comby and Three Castles hair brushes. One brush and a display stand free with order for any of four deals (each of twelve brushes).

SOPHISTIQUE, LTD., Battersea Road, Mersey Industrial Estate, Heaton Mersey, Stockport, Ches. Topnote hair spray. Thirteen, invoiced as twelve (either size) on minimum order for 6 doz. Till July 31.

TONI Co., Hawley Lane, Farnborough, Hants. *Dippity-do* hairspray with mini-pot of hair-setting gel. Twelve invoiced as 10. *Tame* creme rinse. Thirty-six twin sachets invoiced as thirty; twelve 2-oz. bottles invoiced as eleven; six 4-oz bottles invoiced as five.

PROGRESS SHAVING BRUSH (VULFIX), LTD., Vulfix shaving brushes. One PCS VSI brush free with parcel No. 18 (four each VS1 and VS2 and VS5; three each VS3 and VS4).

Premium Offers

TONI Co., Hawley Lane, Farnborough, Hants. *Dippity-do* hair spray and hair-setting gel. Combined pack at saving of 1s. *Tame* creme rinse. Joint pack of two standard sachets at saving of 10d.

LEWIS WOOLF GRIPTIGHT, LTD., 144 Oakfield Road, Birmingham, 29. Soft down disposable nappies. Soft down tie pant free with 2s. size.

Trade Shows

SHULTON (GREAT BRITAIN), LTD., 100 Brompton Road, London, S.W.3. EXETER, Rougemont hotel, July 3-6. NEWCASTLE UPON TYNE, Royal Turks Head hotel, July 3-6. NORWICH, Royal hotel, July 3-6.

INFORMATION WANTED

The Editor would appreciate information about: Vertigoheel tablets (U.K. distributors).

NEW PRODUCTS AND PACKS

PHARMACEUTICAL SPECIALITIES

Now In Capsules Also.—Riker Laboratories, Morley Street, Loughborough, Leics, now offer in capsules as well as liquid their laxative/faecal-softening preparation Dorbanex. Each capsule contains 25 mgm. of the laxative agent 1:8-dihydroxyanthraquinone and 200 mgm. of the faecal-softening compound poloxalkol, and that provides treatment equivalent to one 5-mil spoonful of Dorbanex liquid. The capsules are issued in containers of thirty and 300.

Ampoules of Isoprenaline.—Though many references to the use of injections of isoprenaline have been published the drug has so far been available in this country only to special order. Pharmax, Ltd., Thames Road, Crayford, Dartford, Kent, have introduced Suscardia ampoules, each contains a stabilised sterile solution of 2 mgm. of isoprenaline hydrochloride in 2 mls for parenteral administration. Main indications are the monitoring of patients with heart block, shock states and acute Stokes-Adams attacks. Suscardia is available in carton of six ampoules.

Steroid Ointment and Cream.—Allen & Hanburys, Ltd., Bethnal Green, London, E.2, have added to their Propaderm range an ointment and a cream, Propaderm-C ointment and Propaderm-C cream, each containing 0.025 per cent. of beclomethasone dipropionate and 3 per cent. of chionoform in a water-soluble cream base. The value of chionoform (iodochlorhydroxyquinoline) is stated to arise from its wide range of antibacterial and antifungal activity, combined with exceptionally good tolerance and minimal sensitisation. Propaderm-C preparations are indicated for all conditions responsive to topical steroid therapy in which infection, bacterial or fungal, is present or likely to occur. Packs are tubes of 15 gm.

Anticonvulsant Capsules.—Parke, Davis & Co., Staines Road, Hounslow, Middlesex, announce the introduction of a new speciality Celontin Kapsels. The product is an anticonvulsant from the succinimide range of compounds, and is indicated for the control of temporal-lobe epilepsy and petit-mal seizures. It is understood to have often proved effective in patients whose attacks were not controlled by the use of other medications. Optimum dosage of Celontin has to be determined by trial but a suggested schedule is 300 mgm. daily for the first week, increasing, if necessary, by 300 mgm. at weekly intervals, to a daily dosage of 1,200 mgm. The No. 2 capsule has a yellow tint and an orange band. Each contains 0.3 gm. of methsuximide. Pack is a bottle of 100.

For Duodenal Ulcer Therapy.—Berk Pharmaceuticals, Ltd., Godalming, Surrey, announce that Duogastrone capsules are being made generally available from July 3. The Duogastrone "positioned-release" capsule contains 50 mgm. of carbenoxolone sodium (the active constituent in biogastrone) and reliably delivers the active agent into the duodenal fossa, ensuring contact

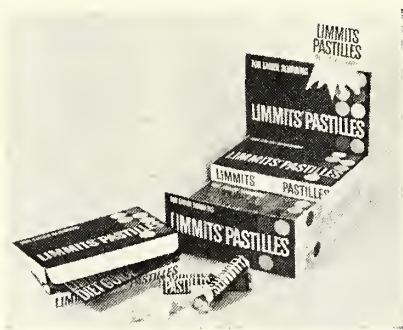
with the ulcer. Clinical reports indicate that a course of six weeks' treatment is sufficient to heal the majority of ulcers, even those that have not responded to conventional therapy. Initially Duogastrone is being promoted to hospitals, but promotion is being extended to general practitioners after the holiday period. Pack is an airtight container of twenty-eight capsules (one week's supply).



FOIL-WRAPPED AND CARTONED: Cotazym-B tablets of Organon Laboratories, Ltd., Crown House, Morden, Surrey.

SLIMMING AIDS

Pastilles to Suppress Appetite.—Unicliffe, Ltd., Stonar, near Sandwich, Kent, are entering the market for appetite-suppressant slimming aids with



a new product, Limmits pastilles. The pastilles take the form of a boiled sweet in lemon, blackcurrant and banana flavours. Each carton comprises eight foil-wrapped rolls of ten (sufficient for up to fourteen days). Each carton contains instructions.

SUNDRIES

X-ray Detectable Foam.—An X-ray detectable foam suitable for use in operating theatres as a surgical swab, has been developed by Coopers Plastic Foams, Ltd., Ashton-under-Lyne, Lancs. The product is currently under test at a number of hospitals.

Hot-water Bottles for 1967-68.—W. W. Haffenden, Richborough Rubber Works, Sandwich, Kent, describe as

"unique" two hot-water bottles in their 1967-68 range—they are "designed for double profit." The two models are the Slumberland-de-luxe—a luxury padded nylon-quilted bottle in pink and blue; and the Nodland—a three-dimensional full-sized "junior" bottle in gift pack.

Carrying Bag for Surgical Instruments.—A new bag suitable in which to carry or to sterilise surgical instruments is being produced by Smith Bros. (Whitehaven), Ltd., Whitehaven, Cumberland. Made from thermoplastic-coated papers or polythene-coated cellulose film, the heat-sealed bags are powder-proof, moisture-proof and, when lined with aluminium, also aroma-proof and steam-resistant. They are particularly suitable for packing chemicals or hygroscopic substances. The bags are available in $\frac{1}{2}$ lb. to 11 lb. capacities and in 3— $7\frac{1}{2}$ in. widths, lengths from 8 to 18 in.

Pants to Hold Disposable Nappies.—J. Bannen, Ltd., 34 Oxford Street, London, W.1, are the makers of Staydry pants in three sizes claimed a "unique" answer to the problem of providing an efficient holder for disposable nappies. Staydry is a polypropylene fibre-backed plastic garment, with forward-facing leg apertures. The soft lining covers all the plastic backing to eliminate the common problems of chafing and discomfort at legs and waistbands. The pants are available in three sizes in "dispenser" display of 1 doz. On each light-blue pack is a cartoon of a happy, dry-panted baby.

COSMETICS AND TOILETRIES

Eyelashes in "3D."—New 3D eyelashes from Eylure, Ltd., Welwyn Garden City, Herts, have a shorter length are available in black or brown and in three densities (Coquette, Mannequin and Sophisticate).

Nail Lacquer and Eyelashes.—Myram Picker, Ltd., Hook Rise, Kingston By-pass, Surbiton, Surrey, are introducing in their Gala range six up-to-the minute fashion colours of frosted nail lacquer. The range is called Shimmering Jewels and is packed in "little gem" size only. Also new in the Gala range are false eyelashes in real hair—shaped, trimmed and feathered. They are available in black and brown shades, packed in one transparent container with glue, pin and instructions for use.

Semi-permanent Hair Colourings.—Golden Ltd., Berkeley Square House, London, W.1, are marketing a new product from L'Oreal of Paris: new extra-life Color Glo in twelve shades and formulated to appeal to the many women who want more intense, longer-lasting hair colours, but still do not want to "skin test." The product is claimed as "an important new technical development in semi-permanent hair colouring," "never-before" intenseness of colour and long-lasting effect (its colour lasts, it is understood, for up to a dozen shampoos). Each pack contains a new slim 38-mil bottle of colourant, sachet of after-colour shampoo, and simple directions. The outer is introductory counter display units of twenty-four packs.



C&D

CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

ESTABLISHED 1859

Published weekly at
28 Essex Street, Strand, London W.C.2

TELEPHONE: 01-353 6565

Poisons Status Complications

THE latest proposals to amend the Poisons List and Poison Rules (see *C. & D.*, June 24, p. 578) show evidence of compromise and some "second thoughts."

The decision to control the antihistamines as First Schedule, instead of the more restrictive Fourth Schedule, poisons as originally suggested (see *C. & D.*, January 21, p. 49) indicates that the authorities are satisfied chemists will be able to make their customers aware of the possible side-effects of antihistamine preparations. In practice, the proposed legislation will enable the pharmacist to supply antihistamines either via the poisons book or via the prescription book. Whatever the method decided upon the pharmacist should concern himself intimately with the sale, so that he can carry out his legal and professional obligations.

The dangers of boric acid have been recognised by pharmacists for many years, and a statement by the British Medical Association advising doctors not to prescribe preparations containing borax or boric acid (*C. & D.*, July 30, 1966, p. 103) was followed by a statement by the Council of the Pharmaceutical Society (*C. & D.*, August 13, 1966, p. 135) advising that such preparations should not be supplied, even with an appropriate warning. In view of the fact that sales of such preparations were not restricted to pharmacists the Society undertook to approach manufacturers to persuade them to discontinue manufacturing them. The proposals by the Poisons Board now serve to underline the appropriateness of those earlier actions by the B.M.A. and the Society's Council. Though the B.M.A.'s other demand (that dusting powders containing boric acid should be labelled to the effect that they are not suitable for use on infants) has not been adopted by the Poisons Board, pharmacists have a professional responsibility in this matter. The situation may appear confusing to members of the public who find they may buy borax for laundry or horticultural purposes without restriction or cautionary wording.

The suggested controls on chloroform appear to be directed primarily at preventing misuse of chlorodyne preparations. Again the pharmacist in retail practice has a professional responsibility, which the proposals will help him to uphold when meeting the "difficult or awkward" cases.

The toxicity of colchicum alkaloids, and a tendency to use them more widely, has almost inevitably brought them before the Poisons Board.

The reported use of quinine as an abortifacient, sometimes with fatal effects, has given rise to the propo-

sal that the alkaloid and its salts shall be brought under Fourth-Schedule control, with an exemption for preparations containing less than 10 per cent. The proposals in respect of ephedrine are in effect twofold. The exemptions in Part One and the Fourth Schedule are extended to include the optical isomers. Ephedrine and its isomers are to be included in the First Schedule except when as liquid preparations or when not intended for external treatments, or in solid preparations containing less than 10 per cent. of ephedrine or its optical isomers. The exemption in respect of solid preparations does not apply when the diluent is inert.

The Home Office points out that the proposals in respect of ephedrine and chloroform are not to take effect until October 1, "to allow time for existing stocks to be disposed of and amended packaging material to be prepared." No indication is given of any such moratorium in respect of the antihistamine, yet packed stocks of those substances are likely to be greater than those of ephedrine and chloroform. A further complication is that, as yet, the Home Office notice may be regarded as "proposals" and are not in final form.

Onward from Galen

SIDELINES OF CURRENT COMMENT

★ IN THE SALE ROOMS ★

THE chief attraction for a crowded gallery of buyers in a recent sale of Continental pottery at Sothebys was a portion of the collection of fine drug jars belonging to Mr. H. E. Brocksom, M.P.S., for many years in business in North London. About thirty jars were on offer, of which the three finest—of Faenza workmanship—were a syrup jar, with scaly bird's head spout, painted with cupids; a large (15½ in.) elegant pear-shaped jar with scroll handles, *AQUA ROSATA*, polychrome, one of a set made when the Orsini and the Colonna noble families celebrated the end of their long-drawn-out quarrels; a rare albarello, in blue, yellow and ochre, late fifteenth century. The three were sold for



£260, £320 and £160 respectively. Other choice items were a set of Castel Durante jars (four globular bottles and two small albarelli) in ochre and blue, dated 1638 and bearing the Orsini arms; they fetched £320 (Allbrook). Five Venetian syrup jars and two albarelli, dated 1578, painted in blue with figures of Saints—went for £260 (Allbrook). A pair of Castel Durante globular jars with covers brought £320. Total for seventeen lots was approximately £2,500. In a sale a few days earlier a heart-shaped Apothecaries' pill tile brought the handsome sum of £550 (Tilley) and a 9-in. Lambeth syrup jar, *S. IVIVBINUS*, £230. Several other Lambeth delft jars, mostly eighteenth-century, averaged £45 apiece, a small jar (4 in.) making £90.

Hospital Pharmacists' Responsibilities

PROFESSOR BECKETT POINTS A MORAL

HOSPITAL pharmacists, if they wish to be accepted professionally, must be ready to accept the responsibilities attaching to their position. That was the point repeatedly hammered home by PROFESSOR A. H. BECKETT (head of Chelsea School of Pharmacy) in an address at Derby on June 10 to members of the Sheffield, Birmingham and East Midlands branches of the Guild of Public Pharmacists.

"Deliberately Provocative"

In a "deliberately provocative" address Professor Beckett said that action to improve the standing of hospital pharmacy would involve a clear and definite statement of the contribution pharmacists could make to the work of the hospital. If all the recommendations on the scope of hospital pharmacy stated in the Linstead Report on the Hospital Pharmaceutical Service were implemented there would be no doubt whatever about the pharmacist's rôle. First of those recommendations was that the pharmacist was to be responsible for the provision, nature and quality of drugs, medicinal preparations, dressings, chemicals and pharmaceutical sundries. Responsibility, if carried out, "put the pharmacist in the driving seat" concerning the quality of the materials with which he dealt and no one could talk down to him. Quality control, therefore, played a vital part in the pharmacist's functions.

Some pharmacists might object that by emphasising quality control their administrative function was being neglected. It might also be said that today so much preparation was done by industry, which maintained a strict control of its products. An important point, however, was that in general not drugs but preparations of drugs were administered to man. Despite controls by the Dunlop Committee, industry and, in another way, by the MacGregor Committee it was quite possible that a hospital pharmacist might be required to formulate a preparation for a slightly different use from normal. Did he fully control the preparation and the additives he used? Did pharmacists exert their responsibility in dealing adequately with storage, checking when a preparation was issued whether it was satisfactory or if it should be withdrawn and insisting if necessary on that being done?

To carry out such functions properly analytical control was needed. It was necessary, though, to be realistic. A large expenditure of money in each hospital would not be justified and a certain amount of rationalisation was needed. Nevertheless there were simple tests that should be carried out in every hospital pharmacy. To say that no time was available was shirking responsibility — one must insist on the facilities and manpower being made available. Professor Beckett was sure that a country-wide investigation would show clearly that at present extemporaneous preparations lacked the proper control needed to ensure the safety of

the patient. If a number of pharmacists were to express their feelings on the point, he felt that they would probably achieve something.

Another recommendation of the Linstead Report was that pharmacists should investigate pharmaceutical problems arising in the use of medicaments. There again the answer was not to say "we have no time" but to tackle the problem the other way round "We need people to allow us to carry out these functions." If plans for research were put to the Ministry of Health he had no doubt they could, with perseverance, be implemented. Plans would need to be made in a reasonably big way in order to produce an impact.

Linked with the foregoing was the function of giving advice. No one would come to the pharmacist for advice unless that pharmacist showed he was making a worthwhile contribution. Any clerk or junior girl, said Professor Beckett, could collect pamphlets and retail information from them. That was not giving advice.

Co-operation with schools of pharmacy was another means of allowing the pharmacist his proper rôle in the hospital. It should be possible to reach a point where, as had already happened in other countries, such as Canada and the United States, pharmacists were jointly on the staffs of both hospitals and universities. Research could then properly be brought into play.

The course in biopharmaceutics leading to a Master's degree, being introduced by Chelsea College of Technology in the autumn, provided another "lifeline." A pharmacist who obtained that degree would have "much, much more information" on formulation and other subjects making him properly qualified to carry out his functions.

If pharmacists were really honest with themselves not many, today, would be considered competent to deal with full analytical facilities. The approach would have to be phased with the introduction of younger people.

Training Technicians

Supporting staff would be needed by pharmacists and that introduced the problem of training technicians. It was necessary that they should be of comparable quality with those in other branches of hospital practice. Acceptance of inferior technicians implied that the pharmacist himself was inferior.

Professor Beckett gave his opinion that if an able young man asked him for advice on hospital pharmacy as a career he would advise against it, not merely on grounds of salary, but because he thought there were more satisfying opportunities elsewhere.

Finally, he stressed once again that the route to administration for the pharmacist was through proven competence in making a contribution in his own sphere. That should be the route of attack, not laying stress on the pharmacists administrative functions.

MR. A. P. LAUNCHBURY, Birmingham, agreed with Professor Beckett's remarks but thought he did hospital pharmacy a great disservice by dissuading his "bright young men" from adopting it as a career. How, without such people was the profession to achieve its aims? Professor Beckett replied that he was a realist and must be fair in his advice. If only six or seven people currently in hospital pharmacy would make an effort to improve their lot on the lines he had suggested he thought there would be a chance of general improvement. He would not dissuade anyone who really wanted to enter hospital pharmacy from doing so. He mentioned a figure between 25 and 50 to MISS E. M. R. REID, Stafford, who asked how many hospitals he would envisage taking part in research. That still meant that other pharmacists could contribute merely by carrying out observations on the materials they used in day-to-day work—as did doctors in reporting side reactions of drugs to the Dunlop Committee.

"Deplorable" Libraries

MR. R. H. LEACH, Birmingham, commented that before an investigation could be carried out an adequate supply of journals was needed. Most hospital pharmacists' libraries were deplorable. Co-operation with schools of pharmacy was not always so good as at Chelsea. It seemed from the calibre of some graduates that the schools had stifled rather than encouraged initiative. Professor Beckett had mentioned biopharmaceutics, but all biological studies in hospital were done in the biochemistry department. Professor Beckett agreed that the amount of co-operation left much to be desired, but thought changes were coming. It would be inadvisable to make extensive use of hospital biochemical facilities—biochemists were not really competent to deal with pharmaceutical problems. A link with a school of pharmacy could provide the balance. The hospital department could be used as a service. The important thing was to be able to ask precise questions, the person who knew must be in command.

MR. A. J. CRONIN, Sheffield, pointed out that as secretary of the Guild's research committee he had "quite a file" of reports from members who had shown initial interest in a project, which had then waned. Enthusiasm was essential.

PROFESSOR BECKETT replied that if local boards were not willing to support projects they should be "fed to the centre" and dealt with as a central problem.

MR. P. CREES, Birmingham, mentioned that steps were being taken to establish a post for a research pharmacist at Queen Elizabeth Hospital, Birmingham, in collaboration with the University of Aston in Birmingham.

PROFESSOR BECKETT told MR. W. G. SMITH, Nottingham, that he did not feel competent to express an opinion on experiments in which the pharmacist

participated on the ward. He would hope that someone could, possibly as a thesis for a degree, make a full-time examination of such schemes.

MR. W. T. BROOKES, Nottingham, felt that pharmacists did not help themselves sufficiently. Too often they lacked the personality to stand up to a consultant and refuse to issue a preparation with which they were not satisfied. Too many of them refused to work a minute longer than the standard hours. They must get out of the parochial attitude of thinking in terms of each hospital doing its own manufacturing. In the last connection MR. E. W. G. DILKES, Walsall, pointed out that in his region ways of allowing each hospital to make its own intravenous fluids were being investigated. A scheme of dividing the area into four was being tried. Each hospital had all essential apparatus and less frequently used apparatus was available for use, not necessarily at all hospitals, in each of the four areas.

Acceptability of Technicians

MR. G. HUGHES said he had been amazed at the reluctance of pharmacists to accept technicians. A hospital pharmacy technician was paid £100 per annum less than a clerical assistant and it was time pharmacists took up the cudgels on their behalf. PROFESSOR BECKETT said that although the Pharmaceutical Society had at one time spoken against the use of technicians, fearing they would lower the pharmacists' status, he thought they were now ready to accept them. There must be a high standard of training to allow interchange of technicians between retail and hospital pharmacy. A national plan was needed. MR. W. MOTT, Sheffield, suggested that the Society should be trying to get courses standardised. There was a danger of finishing up with three separate qualifications—that offered by the training board set up under the Industrial Training Act, the Apothecaries Hall Certificate for England and that for Scotland. PROFESSOR BECKETT agreed that was the Society's responsibility but it must not get too much mixed up with training of staff at lower levels. MR. P. CREES said the Society must decide what type of technician it wanted. Retail pharmacists seemed to think in terms of dispensing assistants and took the attitude that possession of a certificate would mean paying the technician more. Professor Beckett seemed to have in mind a rather higher qualification that would allow technicians to carry out analysis and production of infusion solutions. PROFESSOR BECKETT replied that there were dangers in training a person for a specific job. It would be better to aim at interchangeability—that would mean training the mind as well as giving skills.

EXPANSION PROJECTS

AN extension to the Dartford, Kent, works of the Wellcome Foundation, Ltd., recently begun, will give an added total floor space of 100,000 sq. ft. over four floors. Costing £750,000 the project is expected to be completed by July 1968.

LARGEST PRODUCER OF PAPERBOARD

Prime Minister opens new packaging board mill at Workington

THE Prime Minister (Mr. Harold Wilson) officially opened a new mill for Thames Board Mills, Ltd., at Workington, Cumberland (claimed the largest producer of paperboard for packaging in Britain) on June 9. Understood to be the first integrated pulp and board mill in the United Kingdom based on home-grown timber, the mill was planned soon after the European Free Trade Area agreement was signed, and the work has been completed in two years and nineteen days. The company is a subsidiary of Unilever Group.

In his speech the Prime Minister said that the paper and board industry in the United Kingdom was the largest such industry in any single country in

Europe, its annual output being currently worth £400 million. The industry provided about 70 per cent, of home requirements and had achieved that position despite the substantial natural advantages of its main competitors. British mills had traditionally had to rely mainly on imported pulp, which it was necessary to dry before shipment and "reslush" on arrival at the mill before the final manufacturing processes could begin. Now that duties against Scandinavian finished products had been finally removed, the industry had to face direct competition from imports of finished paper and board from Scandinavia. To its credit it had looked upon that development as a challenge.

NOW MANUFACTURING DIRECT

An American company long in Britain opens its first U.K. factory

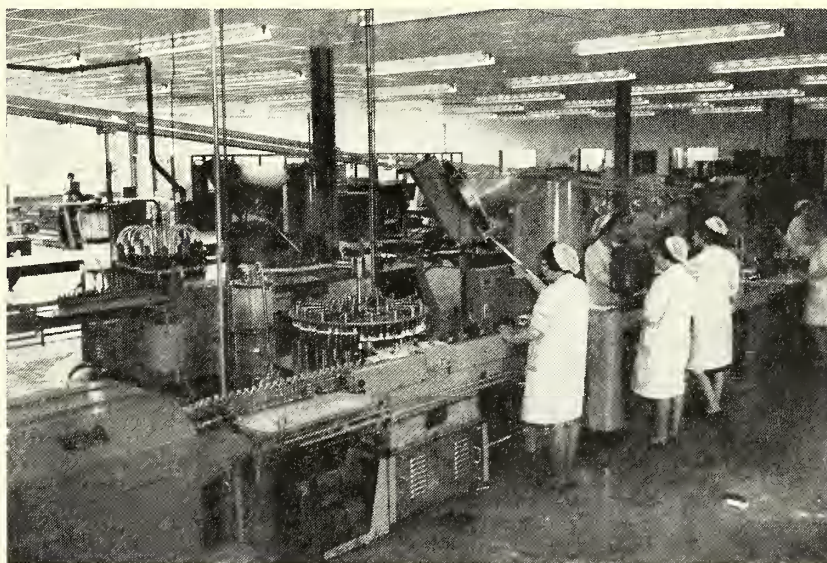


A general view of the new factory.

A 100,000 SQ. FT. factory at Pimbo Road, Skelmersdale New Town, Lancs, for Vick International, Ltd., was officially opened on June 17. The factory is the company's first to be built in the United Kingdom, the range of over twenty products having previously been made under contract by other British pharmaceutical companies. The new plant is highly automated and employs 200 workers, representing an investment of £1 million by the American parent company (Richardson-Merrell,

Inc.). The plant, built within a period of fourteen months, covers 5 acres of a 13½-acre site.

To commemorate the opening of the factory Messrs. Vick International donated a Milton milk kitchen to Ormskirk and District General Hospital, enabling infants foods to be made up under working routines developed with the assistance of bacteriologists and time and motion study experts so as to combine maximum safety with economy.



A section of the production line.

Achieving Co-ordination in Eire

COMMITTEE TO EXPLORE NEW ALL-IN PROFESSIONAL BODY

OVER 70 delegates from all parts of the Irish Republic, present at a symposium in Dublin recently, unanimously decided that a new body should be set up to look after the professional interests of pharmacy.

A New Concept

Welcoming the delegates at the meeting MR. PIERCE MEAGHER said that three years ago a new idea in pharmacy had been born—that of co-ordination and federation. Though not new to most professions and trade unions it was novel in the ancient profession of pharmacy. From its start, however, the Irish Pharmaceutical Association had faltered because the participating groups believed they could join without losing any of their autonomy. For example one group had demanded a guarantee, written into the constitution, that the Association would not interfere unless its help was requested; the groups did not offer to contribute financially to the Association but left it to canvass members among pharmacists already belonging to constituent groups. Those factors, though they tended to weaken the initial action of the Association, had not weakened the will of the executive to foster unity. The committee had launched many ventures, had publicly defended pharmacists' interests in regard to the health services and alleged over-charging for prescriptions, and had continued to organise a national congress. A high-class journal of both literary and scientific merit had been introduced, the first journal exclusively for pharmacists that had appeared in the Republic since 1923.

The Association's potential could thus be seen. United, pharmacists could effectively answer criticism and foster a new public relationship. Confusion in dealing with Government Departments would be removed. Although the ventures of the Association had not been unsuccessful, the executive committee realised that it had failed in its original aim—to co-ordinate. Unless more active support were forthcoming from the various groups it would be better to transfer the functions of the Association to another body. "Therefore, you now have the decision of renewing the idea of co-ordination or of abolishing it altogether."

Introducing the main speaker MR. J. E. BURRELL said Senator Garrett Fitzgerald was well known for his lucidity and clarity on matters economic. SENATOR FITZGERALD said his only qualification to address the symposium was that he could approach the problem with strict impartiality, having nothing to do with the profession. First fact pharmacists had to face was the existence of so many bodies representing various aspects of a profession whose total membership was about 2,000. Second was that, in its own estimation, and, he thought, in that of many groups within the profession, the Irish Pharmaceutical Association

had hitherto not achieved an effective co-ordinating rôle, so that the profession did not speak with one firm voice on matters affecting common interests. How could that situation be remedied?

The pharmaceutical profession found itself working today against a kaleidoscopic background with changes occurring so rapidly that it was difficult for pharmacists to adjust themselves to the situation. In the 1950's the change in trading conditions effected by the activities of the Fair Trade Commission had had an especially marked impact on pharmacies. More recently there had been the important change in the Society's educational arrangements, making entrance to pharmacy through a university degree. Ahead lay further fundamental changes. Proposed new health legislation could have a profound effect on the livelihood of almost all pharmacists and could conceivably effect a major change in their rôle in the community. Another change could be brought about by Irish membership of the European Economic Community or even by the expectation of membership. The changes facing the profession called for a more united approach than heretofore. Further changes in educational arrangements would be needed to guarantee certain basic rights that had to be extended by Community countries to nationals of other member States. They included the rights (a) of free movement of employees, (b) to establish a business and (c) to provide services. In the professions a special problem arose because entrance was everywhere by examination. Standards differed, and countries that believed their standards to be higher than others were reluctant to accept qualifications issued elsewhere. In pharmacy, solution of the problem involved the prescription in considerable detail of the length and content of courses and of amount of professional experience to be gained.

Training Requirements

Details had recently started to become available and he had passed to the Society information obtained on a recent visit to Brussels. Main features of the proposals were four-and-a-half years' practical and theoretical study, followed by six months' apprenticeship, with the requirement that pharmacists wishing to work in another country must first secure two years' experience in their own country. The course must comprise 4,000 hours' teaching, and minimum periods of theoretical and practical work were laid down for each of almost twenty subjects. Those requirements would pose problems for recently qualified pharmacists wishing to work outside the country or students currently in process of qualifying, who might not benefit from the transitional provisions. By opening up the practice of pharmacy to outside pharmacists it might also create problems in Ireland. To meet such changes the profession should be strong and united.

Senator FitzGerald said a fully representative professional body was needed that would transcend the differences between employer and employee. Beyond those differences he believed there existed a common loyalty to the profession and on that foundation one might hope to build. He understood that, in one part of the country at least, such an organisation had once existed—a Guild of Pharmacists in Cork and Kerry. "Can we build something of this kind on a national basis?"

Pharmaceutical Society's Role

Since the premier body in the profession was the Society, their first possible solution was that the Society might agree to transform itself — if necessary with the aid of legislation—into a body representing all interests of the profession. Such an arrangement already existed in relation to solicitors. The Incorporated Law Society both protected the public interest and represented solicitors' interests. Such a solution, however, posed difficulties. General pharmacy involved the sale of goods, creating different problems from those involved in the practice of the law. The law also had the advantage of longer recognition as a profession, making it easier to secure acceptance of a single body. For those reasons the Society appeared reluctant to contemplate any radical change of rôle. There seemed, indeed, to be a reluctance to go even so far as the Pharmaceutical Society of Great Britain had gone in representing the interests of its members. The Society did not, however, appear to exclude the possibility of a close association with another professional body representing the interests of the profession. Such an association might even be so close as to involve a common subscription to the two bodies thus ensuring an adequate income to the new body.

It was for the meeting to consider whether it was worth pressing the issue further. The difficulties led the Senator to think other possible answers should be studied.

An effective body must represent the entire profession, either through individual membership on a universal basis or through the active participation and financial support of all existing sectional organisations. It must have full-time staff, since a purely part-time body could not adequately represent the interests of the profession, especially as, in addition to the trade unions representing employees, the Irish Drug Association was already equipped with full-time staff. The I.D.A. was, of course, an employers' organisation, but in the profession most members were employers.

Should the Society not be able to represent the interests of the profession three possibilities were left. First, an attempt could be made to make the Irish Pharmaceutical Association more effective, operating within the limits imposed by its existing part-time or-

ganisation and by the present loose pattern of its relationships with other professional groups. Secondly the Irish Pharmaceutical Association could be transformed into a genuine, strong representative body, closely associated with the Society and organised so as to bring together all bodies now representing sectional interests. Such a body would need a full-time staff. That meant most pharmacists would be supporting three full-time staffs—in the Society, the transformed Association and the I.D.A. Thirdly the I.D.A. could be transformed into a professional body representing all pharmacists, with employer and employee committees. The whole profession would subscribe towards this professional body—possibly through a joint subscription to it and to the Society, while employers and employees would pay separately for the representation of their interests in matters of industrial relations. On the council of the professional body the whole profession would be represented without distinction of employer and employee. That solution would avoid unnecessary duplication of office accommodation and staff. Employers might well have qualms about converting the body that had represented their interests for almost sixty years into one for employees as well, even if their negotiating position with employee pharmacists were safeguarded. Employee pharmacists might be taken aback by a suggestion that they should become members of a professional body formed by expanding the organisation with which they had traditionally negotiated.

"Yet I should have been doing less than my job if I had not indicated that this could provide the most effective and cheapest solution."

"Carry it Through"

Senator FitzGerald asked delegates to be frank in stating their views. Nothing was to be gained by vague indications of goodwill. "If you endorse some course of action here, let it be with the determination to carry it through to a successful conclusion."

It was agreed to set up an exploratory committee to investigate and report back. Members of committee are Mr. W. J. Gardner (president, I.D.A.); Messrs. S. E. Burrell, P. Meagher, S. MacHale, Timothy Cashman, Mrs. E. M. Twomey and Michael Shannon.

Mr. M. L. CASHMAN (president, Pharmaceutical Society of Ireland) congratulated Senator FitzGerald on his penetrating analysis. As the Society's membership was distinct from those who paid retention fees only, members felt, especially in recent years, that they were entitled to a service from the Society. However, objections had been voiced to the idea of the Society's engaging in activities other than its statutory functions. He himself felt the Society should represent the interests of the whole profession.

Replying to criticisms that the Society was avoiding action on matters affecting the welfare of pharmacists, THE REGISTRAR (Mr. J. G. Coleman)

explained that any change in the structure of the Society would require an Act of Parliament. Other associations listed by Senator FitzGerald could change themselves within themselves, but the Society could not. "It is unfair, therefore, to say that the Society is hiding behind its statutory obligations. It must do so."

On a show of hands, it was unanimously agreed that a professional body to represent the interests of pharmacy and of pharmacists was needed and that, to be effective, it would need full-time staff and office accommodation.

HISTORY OF PHARMACY SOCIETY

Inaugural meeting in London

THE first independent society in Great Britain for the study of pharmacy history—the British Society for the History of Pharmacy—was inaugurated at a meeting in London on June 14. Called by a provisional committee comprising the members of the Pharmaceutical Society's History of Pharmacy Committee the meeting was attended by thirty-five persons. Mr. J. C. Bloomfield reviewed the progress of the Society's Committee since its formation in 1952 and of a similar committee in Scotland set up in 1956 (activities had included arranging exhibitions for the centenaries of the 1852 Pharmacy Act and the death of Jacob Bell).

Owing to its limited membership, said the president, the committee had been unable to affiliate to some organisations, and had not been able to become a corporate member when the Society of Apothecaries had founded its Faculty of the History of Medicine and Pharmacy. Membership groups under the Pharmaceutical Society's by-laws were restricted to members of the Society. So from January 1967 the Committee had worked to form an independent British Society for the History of Pharmacy, with pharmaceutical bonds strong enough for it to be based on the headquarters of the Pharmaceutical Society. The Council had offered to provide premises and secretarial facilities, and had given £300 to start the new society.

Membership and Programme

Membership might eventually rise to 200 or 250, and about £500 a year would be needed for its running. It was hoped to raise £200 by subscriptions. Suggested programme included an autumn meeting with a leading historian as speaker. At least one meeting should be held in a provincial city and local branches could be formed that would send communications to the Society. A national organisation would need a newsletter, and meetings might be held in conjunction with the British Pharmaceutical Conference or the Pharmaceutical Society's regional conferences.

The meeting resolved:

1. That a body to be known as the British Society for the History of Pharmacy be formed and that the founder members be those present and those who had written in to the provisional committee asking for details and sending apologies for absence.

MR. T. MACGIOLLA RIOGH urged that the proposed body should be based on the Society, whose rôle, he felt, had changed since the introduction of compulsory fees. MESSRS. PIERCE MEAGHER and GERALD O'CONNOR supported that view. MR. L. PELY could not visualise either the Society or the I.D.A. fulfilling the required function. He felt there would have to be a new organisation.

The meeting then voted, by a large majority, in favour of establishing a new organisation with its own secretariat and headquarters.

2. That the circulated draft constitution and rules be adopted.

3. That the offer of a grant of £300 by the Pharmaceutical Society of Great Britain be accepted.

4. That the Committee be recommended to fix the annual subscription as from January 1 next at £1 and the subscription payable until that date at 10s.

The following were elected as committee members:—J. C. Bloomfield; J. K. Crellin; C. G. Drummond; Dr. M. P. Earles; N. Herdman; L. G. Matthews; Mrs. A. Lothian Short; Professor G. E. Trease and Dr. T. D. Whittet.

Corresponding Members

DR. CAPPER reminded the meeting that his department had arranged two evening meetings on historical subjects each year, and asked that the Committee should consider replacing them by open meetings in November and February. He asked for more information to be made available on the scientific study of history as some of the work done appeared to be more in the nature of memoirs. He noted that corresponding members were not mentioned in the constitution. MR. BLOOMFIELD replied that the Committee would favour Dr. Capper's proposal and that the meetings should supplement evening meetings in the Society's house. Honorary members could be nominated from overseas and they would help establish contact internationally.

The meeting was followed by a committee meeting, at which the following officers were appointed: *President*, Mr. J. C. Bloomfield; *Vice-president*, Professor G. E. Trease; *Treasurer*, Mr. L. G. Matthews; *Secretary*, Mr. J. K. Crellin.

Persons interested in joining the Society should write to the honorary secretary, British Society for the History of Pharmacy, 17 Bloomsbury Square, London, W.C.1.

N.H.S. STATISTICS

IN INNER LONDON during January 1,797,770 prescriptions (1,131,300 forms) were dispensed at a total cost of £870,329 an average of 116.19d. per prescription.

IN ENGLAND during February contractors dispensed 20,282,440 prescriptions (13,134,123 forms) at a total cost of £10,691,514, an average of 126.51d. per prescription.

GUIDE TO NEW MEDICAMENTS

Information about proprietary products supplied principally on prescription. Reprints on perforated gummed paper for affixing to index cards are obtainable from the Editor. Notes on the products are given on p. 20.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, July 1, 1967.

CAFADOL tablets

MANUFACTURER: Typharm, Ltd., 439 Richmond Road, Sheffield, 13, Yorks.

DESCRIPTION: Yellow tablets, embossed "Cafadol" on one side, each containing 500 mgm. of paracetamol and 30 mgm. of caffeine citrate.

INDICATIONS: Mild to moderate pain associated with colds and influenza, muscular and rheumatic conditions, tension headache, migraine and dysmenorrhoea.

DOSAGE: *Adults*: Two tablets every three to four hours. *Children*: (2 to 5 years) half a tablet; (5 to 12 years), one tablet.

STORAGE: Should be stored in a cool dry place and protected from light.

PACK: Tin of 100.

FIRST ISSUED: June 1967.

PLACING ON C. & D. TABLET AND CAPSULE IDENTIFICATION GUIDE: C3, 16/32, P, R, F/F, B2, N/—.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, July 1, 1967.

COTAZYM-B tablets

MANUFACTURER: N.V. Organon, Oss, Holland.

DISTRIBUTOR: Organon Laboratories, Ltd., Crown House, London Road, Morden, Surrey.

DESCRIPTION: Off-white, varnished, biconvex tablets each containing 170 mgm. of pancrelipase (amylase, lipase, trypsin), 65 mgm. of ox bile extract and 10 mgm. of cellulase.

INDICATIONS: Flatulence, epigastric distress, abdominal distension due to intolerance to fat, dietary indiscretions, and minor degree of pancreatic insufficiency particularly in elderly patients.

DOSAGE: *Adults*: one to two tablets with meals. *Children*: one tablet with meals. The tablets should not be chewed.

STORAGE: Should be stored in a cool place.

PACKS: Cartons of thirty and 120 foil-stripped.

FIRST ISSUED: June 1967.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, July 1, 1967.

EXPEDIL suspension

MANUFACTURER: Lederle Laboratories, Division of Cyanamid of Great Britain, Ltd.; Bush House, Aldwych, London, W.C.2.

DESCRIPTION: Putty-coloured suspension containing 250 mgm. of neomycin sulphate (equivalent to 176 mgm. of neomycin base), with 2 gms. of activated attapulgit in each 15 cc.

INDICATIONS: Symptomatic and specific treatment of acute and sub-acute diarrhoea caused by intestinal bacteria sensitive to neomycin. Also of value in the treatment of non-specific diarrhoeas.

CONTRAINDICATIONS: Partial intestinal obstruction.

DOSAGE: *Adults*: one to two tablespoonfuls three or four times daily. *Children*: (2 - 12 years) half to one tablespoonful three or four times daily. *Infants*: (under two years) one to two teaspoonfuls three or four times daily.

SHELF LIFE: Eighteen months when stored at room temperature.

PACKS: Bottles of 4 and 16 fl. oz.

SUPPLY RESTRICTIONS: Therapeutic Substances Act.

FIRST ISSUED: June 1967.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, July 1, 1967.

FERROMYN-S with FOLIC ACID tablets

MANUFACTURER: Calmic, Ltd., Crewe Hall, Crewe, Ches.

DESCRIPTION: Pink, sugar-coated tablets, each containing ferrous succinate equivalent to 37 mgm. of elemental iron, 110 mgm. of succinic acid and 100 μ gm. of folic acid.

INDICATIONS: Prevention and treatment of iron and folic acid deficiency which may give rise to megaloblastic anaemia of pregnancy.

DOSAGE: One tablet should be taken three times a day during the second and third trimesters of pregnancy.

PACK: Aluminium drum of 100.

SUPPLY RESTRICTIONS: Recommended on prescription only.

FIRST ISSUED: July 1967.

PLACING ON C. & D. TABLET AND CAPSULE IDENTIFICATION GUIDE: B7, 12/32, C, R, Cv/Cv, —, —.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, July 1, 1967.

BRINALDIX tablets

MANUFACTURER: Sandoz Products, Ltd., 23 Castle Street, London, W.1.

DESCRIPTION: White, uncoated tablets each containing 20 mgm. of clopamide.

INDICATIONS: Oedema of cardiac, renal or hepatic origin.

DOSAGE: Initial treatment two or three tablets daily. Maintenance: one or two tablets a day, administered either on consecutive days or intermittently according to the patient's condition or response. In order to minimise nocturia it is suggested that the day's dose be administered in the early morning.

PRECAUTIONS: May produce increased urinary potassium excretion. Has hypotensive properties so that when concurrent administration of the more potent hypotensive agents is indicated, the additive hypotensive effects may be of clinical significance.

STORAGE: The tablets are hygroscopic and wherever possible should be dispensed in their original containers, which carry a note to the patient requesting that the containers be kept tightly closed in a cool place.

PACKS: Containers of twenty-five and 100.

SUPPLY RESTRICTIONS: P.I., S.4B.

FIRST ISSUED: June, 1967.

PLACING ON C. & D. TABLET AND CAPSULE IDENTIFICATION GUIDE: White, 10/32, P, R, F/F, —, 285/—.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, July 1, 1967.

BRADILAN tablets

MANUFACTURER: Moore Medicinal Products, Ltd., Waverley House, Aberdeen.

DESCRIPTION: Creamy pink, coated tablets, each containing 250 mgm. of tetranicotinoylfructose.

INDICATIONS: Peripheral vascular diseases where a long-acting vasodilator is required (e.g. intermittent claudication, chilblains, Raynaud's disease, arteriosclerosis, nocturnal paraesthesia, diabetic angiopathies).

CONTRAINDICATIONS: Should not be given in the twenty-four hours preceding surgery, or when arterial bleeding is present.

DOSAGE: According to the patient and the disease. Initially, one tablet four times a day is recommended, the subsequent dosage being adjusted according to response. The tablets should be swallowed whole, preferably with a little liquid.

SIDE EFFECTS: Certain patients may feel a sensation of warmth, particularly at the start of treatment.

PACKS: Containers of fifty and 250.

SUPPLY RESTRICTIONS: Recommended on prescription only.

FIRST ISSUED: May 1967.

PLACING ON C. & D. TABLET AND CAPSULE IDENTIFICATION GUIDE: G11, 15/32, C, R, Cv/Cv, —, —.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, July 1, 1967.

PEPTAVLON injection

MANUFACTURER: Imperial Chemical Industries, Ltd., Pharmaceuticals Division, Alderley Park, Macclesfield, Ches.

DESCRIPTION: 2-ml ampoules each containing 0.5 mgm. of pentagastrin.

INDICATIONS: Clinical testing of gastric secretion.

DOSAGE: 6 μ gm. per kilo body weight should be given as a single dose subcutaneously or at the rate of 0.6 μ gm. per kilo body weight per hour by continuous intravenous infusion.

SIDE EFFECTS: At doses above 8 μ gm. per kilo, sinking abdominal sensations, nausea, flushing and headaches may occur. These disappear on cessation of therapy. At the recommended dose, the incidence of side effects is negligible.

STORAGE: Should be stored away from light below 4°C, but above freezing point. The expiry date is one year from the date of manufacture. Stable for one month at 22°C.

PACK: Box of five 2-ml ampoules.

SUPPLY RESTRICTIONS: Primarily for hospital use.

FIRST ISSUED: May 1967.

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are augmented before wholesale dealers receive the goods into stock.

LONDON, JUNE, 28: A further easing in IPECACUANHA prices took place during the week with Matto Grosso and Colombian down one shilling per lb. on the spot and shipment down sixpence. *PODOPHYLLUM Emodi* was 5s. per cwt. lower at 180s. but Indian *VALERIAN* was dearer by 5s. per cwt. Most GINGERS were unchanged with the exception of Nigerian split which was down 2s. 6d. per cwt. Some grades of NUTMEGS and PEPPERS were easier but, shipment of TURMERIC rose by 7s. 6d. per cwt. FENUGREEK SEED was quoted at 67s. 6d. per cwt., c.i.f. a rise of 6s. 6d. on the week. MERCURY fell to £177 per flask, from £190, wiping out all but £5 of its recent gain.

In ESSENTIAL OILS, Chinese CITRONELLA was three halfpence per lb. down while the forward rate for LEMON-GRASS was up by threepence per kilo. BAY is short at origin due to large offtake and holders are asking about 45s. per lb. against 39s. previously.

The price of domestic CITRIC ACID is being raised on July 5 by varying amounts — the one-ton rate will be dearer by £13 while 1-cwt. lots will cost 21s. more than previously.

Pharmaceutical Chemicals

ACETIC ACID.—Per ton in bulk; B.P.C., glacial £80 to £84; 98-100 per cent., £76 to £80. Technical 80 per cent. grades; Pure £70 to £74; technical, £64 to £68. Small lots, B.P.C., 5-gall. demijohn 16s. per gall.; 10 demijohns, 11s. per gall.

ACETYSALICYLIC ACID.—1-ton lots, 4s. 0½d. per lb.; 5-cwt., 4s. 5d.; 1-cwt., 4s. 8d. *p*-AMINOSALICYLIC ACID.—SODIUM, 17s. 6d. per kilo for 1,000-kilo lots.

BENZOIC ACID.—1-cwt., 2s. 10d. per lb.; SODIUM SALT, 2s. 7d. per lb.

BORIC ACID.—B.P. grade in 1-ton and upwards (per ton): Granular, £84; crystals, £97; powder, £90 10s.; extra-fine powder, £92 10s. per ton in lined hessian bags, carriage paid in Great Britain. Less £1 per ton if supplied in paper bags. Technical from £70 to £80 10s. per ton according to type and packing.

CITRIC ACID.—From July 5, Domestic powder in bags, per cwt. 1-4 cwt. lots, 235s.; 5-19 cwt., 230s.; 1 ton, 221s. Crystals plus 10s. cwt. Anhydrous powder plus 10 per cent.

GALLIC ACID.—B.P., 12s. 3d. per lb. for 1-cwt. lots; 5-cwt., 12s.

HYDROCHLORIC ACID.—B.P., from 28s. to 35s. per cwt. in carboys, ex works.

HYDROCYANIC ACID.—B.P. 1964, from 4s. 6d. to 5s. 5d. per kilo, as to quantity; Scheele's from 5s. 6d. to 6s. 3d.

HYPOPHOSPHOROUS ACID.—B.P.C. 1959, 15s. 11d. per kilo; PURE (50 per cent.), 19s. 9d.

LACTIC ACID.—B.P. is 5s. 5d. per lb. for 12-winchester lots and 4s. 4d. per lb. for 5-cwt. Edible, 80 per cent. acid, £317 per 1,000 kilos.

MANDelic ACID.—1-cwt. lots, 12s. 6d. per lb. CALCIUM SALT, also 12s. 6d. SODIUM MANDELATE, 13s. and AMMONIUM MANDELATE 50 per cent. solution, 7s. 6d.

OLEIC ACID.—B.P. material is about £188 10s. per ton.

PHENOL.—Ice crystals in bulk, 1s. 4d. per lb. LIQUID, B.P., 1s. 9d. per lb. in 56-lb. returnable tins.

PHOSPHORIC ACID.—B.P. (s.g. 1.750); drums, 1s. 4d. per lb.; bottles from 5s. 4d.

PYROGALLIC ACID.—1-cwt. photographic crystals, 29s. 3d. per lb.

TANNIC ACID.—B.P. fluffy, 9s. 9d. per lb. (5-cwt. lots) and powder, 9s. 6d.

TARTARIC ACID.—(In bags): 1-ton lots, 300s. per cwt.; 5-19 cwt., 308s.; 1 cwt., 310s. If supplied in drums add 8s. cwt.

THIOGLYCOLLIC ACID.—Basic rates per lb. 97-98 per cent., 26-lb. packs, 15s.; 75 per cent., 11s. 6d. AMMONIUM THIOGLYCOLLATE, 40 per cent., pH 9.3 (24-lb packs), 6s. 8d.; MONOETHANOLAMINE THIOGLYCOLLATE, pH 9-9 40 per cent., 9s. 10d. All carriage paid United Kingdom and subject to purchase tax.

Crude Drugs

ACONITE.—Spanish *napellus* short at 3s. 6d. per lb.; shipment, 3s. 3d. c.i.f.

BALSAMS.—(per lb.): CANADA: 36s. 6d., spot; 34s., c.i.f., new crop. COPAIBA: B.P.C. spot, 11s. 6d.; shipment, 6s. 6d., c.i.f.; PERU: spot, 13s. 3d.; shipment, 12s. 3d., c.i.f.; TOLU: B.P., 12s. 6d.

BELLADONNA.—LEAVES, 4s. 3d. per lb., spot; shipment, 3s. 10d., c.i.f. HERB, 3s. 3d. spot; ROOT, 2s. per lb., spot; shipment, 1s. 10d., c.i.f. nominal.

CARDAMOMS.—(per lb.). Alleppy greens, 18s., spot; shipment, 14s. 9d., c.i.f. Prime seed, spot, 32s.; shipment, 28s. 6d., c.i.f.

CASSIA.—*Ligaea*, whole for shipment, 265s., c.i.f. per cwt.; spot, 360s. per cwt., duty paid.

CINNAMON.—BARK, Seychelles, 160s. cwt. spot; shipment 130s. c.i.f.; Ceylon QUILLS for shipment, five 0's, 9s. 6d. lb.; two 0's, 8s. 4d.; seconds, 7s. 5d.; quillings, 4s. 9d. all c.i.f.

COCHINEAL.—(Per lb.). Canary Isles silver-grey, 19s. 6d. spot; black brilliant, 20s. 9d. (19s. 9d., c.i.f.); Peruvian silver-grey, 12s. 6d. (12s., c.i.f.).

CORALLINE.—(Per cwt.). Nigerian split, easier at 95s. spot, African, 155s. Jamaican No. 3, 255s. (245s., c.i.f.); Cochin, 200s. (185s., c.i.f.).

HONEY.—(per cwt., ex store). Australian light amber, 135s. to 140s.; and medium amber, 115s. to 120s. Argentine, 105s. to 110s.; Canadian, 172s. 6d. to 175s.; Mexican, 115s. to 120s.; Chinese, 85s. to 100s.

IPECACUANHA.—Matto Grosso for shipment, 39-40s. per lb., c.i.f., spot, 48s. 6d. Costa Rican, 58s. 6d., spot; forward, 56s., c.i.f., Colombian, spot, 48s. shipment, 43s. 6d. c.i.f.

LANOLIN.—ANHYDROUS, B.P. is from 2s. 2½d. to 2s. 6d. per lb. in 1-ton lots delivered free drums. Commercial grades from 1s. 4½d. and cosmetic, 2s. 8d.

LEMON PEEL.—Spot, 1s. 9d. per lb.; partially extracted, 1s.

MACE.—No. 1 broken, for shipment, 13s. lb., c.i.f.

MENTHOL.—(Per lb.). Chinese shipment, 30s. 6d., c.i.f.; spot, 31s. 6d., in bond. Brazilian for shipment, 28s., c.i.f.; spot, 30s. in bond.

MERCURY.—Spot, £177 per flask of 76 lb., ex warehouse.

NUTMEGS.—(Per lb.). West Indian, spot, 80s., 11s. 6d.; East Indian for shipment b.w.p., 3s. 9d.; 110s., 6s. 5a.; 80s., 7s. 4a., all c.i.f.

NUX VOMICA.—Cochin, 110s. per cwt. on the spot; shipment, 80s., c.i.f.

PEPPER.—White Sarawak, spot, 3s. 6d. to 3s. 9d. per lb., c.i.f. Black Sarawak, 2s. 8d. spot nominal (2s. 3d., c.i.f.). Black Malabar, 305s. per cwt. c.i.f., Brazilian black No. 1, 2s. 9d. lb. duty paid.

PODOPHYLLUM.—*Emodi* 180s., per cwt. spot; shipment, 160s., c.i.f.

SEEDS.—(Per cwt.). ANISE.—Cyprian, 240s., c.i.f. CARAWAY.—Dutch, 142s. 6d. spot. CELERY.—Indian, 160s. spot; shipment, July-August, 155s., c.i.f. CORIANDER.—Spot, Rumanian splits, 120s., duty paid; shipment, Moroccan new crop, 84s., c.i.f. CUMIN.—Spot, Cyprian, 245s.; Indian, 235s.; Iranian, 215s., duty paid; shipment, Cyprian, 232s. 6d.; Indian, 235s.; Iranian, 160s. all c.i.f. DILL.—Indian, 115s., spot; shipment, 100s., c.i.f. FENNEL.—Spot, Chinese, 127s. 6d., duty paid; Indian, 140s. (137s. 6d., c.i.f.). FENUGREEK.—Moroccan, 81s., duty paid; shipment, firmer at 67s. 6d., c.i.f. MUSTARD.—English, 70s. to 105s. quoted, according to quality.

SENEGA.—Canadian, 32s. per lb., nominal, spot; shipment 31s., c.i.f.; Japanese, from 19s. 6d. duty paid.

TURMERIC.—Madras finger quoted at 145s. per cwt. spot; shipment 125s., c.i.f.

Essential and Expressed Oils

AMBER.—Rectified spot, 1s. 6d. per lb.

BAY.—Firm at about 45s. per lb. on the spot.

CAJUPUT.—Spot from 10s. 6d. to 14s. per lb.

CASSIA.—Spot from 30s. per lb. for 80-85 per cent.

CITRONELLA.—Ceylon, spot, 4s. per lb.; shipment, 3s. 10d., c.i.f.; Formosan, 4s. 6d. in bond and 4s. 9d., c.i.f.; Chinese, 3s. 10½ in bond; 3s. 8d., c.i.f.

CLOVE.—Madagascar leaf for shipment, 7s. 9d., c.i.f. spot 8s. 9d. duty paid. Rectified, 10s. Distilled bud oil ENGLISH, B.P., 26s. per lb., for 1-cwt. lots.

EUCALYPTUS.—Chinese, 80-85 per cent., 8s. 9d. per kilo in bond; shipment, 8s. 3d., c.i.f.

FENNEL.—Spanish sweet, 16s. per lb., duty paid.

GRAPEFRUIT.—West Indian small lots on spot at 12s. 9d. per lb. Florida, 15s.

LEMON.—Sicilian, best quality, 46s. to 50s., spot.

LEMONGRASS.—Spot, 24s. per kilo shipment, 23s. 3d., c.i.f.

LIME.—West Indian distilled, 73-74s. per lb. on the spot.

PALMAROSA.—Shipment, 165s. per kilo, c.i.f.; spot, 170s. per kilo.

PENNYROYAL.—Forward shipment offers at 17s. lb. duty paid.

PEPPERMINT.—(per lb.). *Arvensis*; Chinese for shipment, 9s. 6d., c.i.f.; spot, 10s. 3d. Brazilian for shipment, 8s. 3d., c.i.f.; spot, 8s. 6d. *Piperita*; Italian spot, 95s.

PIMENTO.—Imported BERRY, 110s.; English distilled, 390s.; LEAF, 24s. per lb.

SAGE.—Spanish, 21s. per lb.; Dalmatian, 26s.

SANDALWOOD.—Mysore, spot, 120s. lb., East Indian for shipment, 275s. per kilo, c.i.f.

TANGERINE.—Sicilian new crop offers at from 29s. to 33s. per lb.

UNITED STATES REPORT

NEW YORK, JUNE 27: MENTHOL was firm as China was reported to have withdrawn as a seller to Europe. CHERRY BARK dipped 12 cents to 28 cents lb. White CAMPHOR OIL was up 10 cents at 70 cents lb. Higher also among ESSENTIAL OILS was Florida ORANGE at 45 cents lb. (up 2 cents). Lower were CARAWAY at \$5.45 (down 30 cents), Bitter ALMOND, \$2.75 (25 cents) and CINNAMON LEAF, \$3.20 (15 cents).

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

Trade Marks Journal, June 14, No. 4633.

For chemical products for use in agriculture; chemical products for preserving foodstuffs, etc. (1)

SANTOPHYLL, 895,467, by Monsanto Co., Saint Louis, Missouri, U.S.A.

For enzyme preparations for use in manufactures (1)

FINIZYM, 898,409, by Novo Industri A/S, Copenhagen, N., Denmark.

For chemical products used in industry, science and photography; chemical products for use in agriculture, horticulture and forestry, etc. (1)

Device with words EARL OF ACRYLIUS, 896,489, by Röhm & Haas, G.m.b.H., Darmstadt, Germany.

For chemical products used in industry and science; chemical products for use in agriculture, horticulture and forestry; and manures; but not including any goods containing rubber or artificial rubber (1)

AMDAL, 898,519, by Abbott Laboratories, North Chicago, Illinois, U.S.A.

For chemical products and sensitised materials, all for use in photography and in copying processes (1)

DALCOTRON, 898,523, by Nederlandsche Fotografische Industrie, N.C., Soestduinen, Holland.

For chemical products for use in agriculture, horticulture and forestry; fertilisers; etc. (1)

HOECHST, B900,349, by Farbwerke Hoechst, A.G., Vormals Meister Lucius & Bruning, Frankfurt-on-Main-Hoechst, Germany.

For chemical products for use in agriculture, horticulture and forestry; natural and artificial manures; fertilisers; chemically treated sand for agriculture and horticulture, compost and prepared soils for the germination of seed and growth of plants (1) and for parasiticide for plants; preparations for killing weeds and destroying vermin; insecticides, pesticides, fungicides, and herbicides (5)

Device, B895,152-53, by Albert Bennett & Sons, Ltd., Shirley, Croydon, Surrey.

For non-medicated toilet preparations and cosmetic preparations, all for men (3)

BRUT, B879,153, by Faberge, Inc., New York, U.S.A.

For after shave lotions (3)

MENNEN AFTA, 887,510, by Mennen Co., Morris Township, New Jersey, U.S.A.

For non-medicated preparations for the care of the skin; cosmetics, non-medicated toilet preparations, perfumes; soaps; preparations for the hair and dentifrices (3)

BEAUTY COUNSELOR BEAUTY SECRET, 894,497, by Beauty Counselors of London, Ltd., Newhaven, Sussex.

For soaps; perfumes, non-medicated toilet preparations, essential oils, cosmetics and hair lotions (3)

ORSICA, 897,891, device with letter C, B897,892, by Internationale Gesellschaft für Industrie und Handels-Vertrieb Anstalt, Vaduz, Liechtenstein.

For essential oils (3)

WELLPARK, B897,645, by Wellpark Foods, Ltd., London, E.C.2.

For perfumes (3)

FEU ROUGE, 898,881, by G. Florentin & Co., London, W.C.1.

For perfumes, toilet preparations (non-medicated), cosmetic preparations; dentifrices, and soaps (3)

CUSSONS FRINGE, 899,061, by Cussons Sons & Co., Ltd., Kersal Vale, Manchester, 7.

For perfumes, cosmetics and essential oils (3)

AROMAPLAS, 899,788, by Proprietary Perfumes, Ltd., Ashford, Kent.

For cosmetics and non-medicated toilet preparations (3)

VY-TRAL, 899,832, by Alberto-Culver Co., Melrose Park, Illinois, U.S.A.

For detergents (not for use in industrial or manufacturing processes); soaps; etc. (3)

CONPRO, 899,929, by American Cyanamid Co., Wayne, New Jersey, U.S.A.

For perfumes; non-medicated toilet prepara-

tions; soaps; and cosmetics (3)

CUNARD, B898,333, by Colgate-Palmolive Co., New York, U.S.A.

For perfumes, non-medicated toilet preparations for the hair, all packed in aerosol form (3)

SILK-MIST, 899,992, by Co-operative Wholesale Society, Ltd., Manchester.

For soaps, detergents (not for use in industrial or manufacturing processes), etc. (3) and for deodorants, disinfectants, insecticides, antiseptics, fungicides and preparations for killing weeds and destroying vermin (5)

HAPPY FAMILY, 900,920-21, by Beecham Toiletory Division, Brentford, Middlesex.

For deodorants (5)

MARGO'S, B872,164, by Sidney Margolis, Ltd., London, S.E.17.

For disinfectants, preparations for killing weeds and destroying vermin (5)

Device 885,585, by Union Générale des Pétroles, Paris, 7e, France.

For medicinal and pharmaceutical preparations and substances for human and veterinary use; sanitary substances (5)

NOVOLATIN, 892,105, by Merck & Co., Inc., Rahway, New Jersey, U.S.A.

For pharmaceutical preparations and substances for human and veterinary use (5)

VECTREN, 894,098, ERAD, 898,808, by Parke, Davis & Co., At the River, Detroit, 32, Michigan, U.S.A., and Hounslow, Middlesex.

For pharmaceutical and veterinary preparations (5)

Device with letter S, 896,088, by Salsbury Laboratories, Charles City, Iowa, 50616, U.S.A.

For sanitary towels and sanitary napkins; sanitary tampons; sanitary panties, sanitary belts and devices for holding sanitary towels in position (5)

FINESSE, B897,429, by Kimberly-Clark Corporation, Neenah, Wisconsin, U.S.A.

For medicated confectionery (5)

Device, 896,081, by Brodne Jakobsen, Aarhus, Denmark. CURETTES, B897,712, by Hall Brothers (Whitefield), Ltd., Whitefield, nr. Manchester.

For medicinal and pharmaceutical preparations for human use (5)

AMFOROL, 898,492, by Bristol-Myers Co., New York, U.S.A.

For invalids' foods (5)

WELPAN, B897,676, by Welfare Foods (Stockport), Ltd., Stockport, Ches.

For preparations for purifying and freshening the air; fly destroying preparations and preparations for killing weeds and destroying vermin (5)

Device with word WINSFORD, B898,053, by Richmond Chemicals, Ltd., Winsford, Ches.

For eyedrops medicated with antibiotic substances (5)

PREDMYCIN, 898,685, by Allergan Pharmaceuticals, Inc., Santa Ana, California, U.S.A.

For herbicides, insecticides (5)

DELTACRON, 898,999, by CIBA, Ltd., Basle, Switzerland.

For pharmaceutical, veterinary and sanitary substances; medicated creams and medicated ointments (5)

YOXAL U, B899,027, by Bernard Medicaments, Aylesbury, Bucks.

For medical and surgical plasters; and materials prepared for bandaging (5)

CALMIC-AID, 899,471, by Calmic, Ltd., Crewe, Ches.

For pharmaceutical preparations for use by women (5)

GYNAFLEX, 899,812, by Ed. Geistlich Söhne, A.G. für Chemische Industrie, Lucerne, Switzerland.

For sanitary briefs, sanitary towels; babies' disposable napkins and babies' disposable napkin pants, all made principally of cellulose wadding (5)

RELLY, B899,880, by Olla Spezialitaeten Jacques Balog, Vienna, Austria.

For medicinal and pharmaceutical preparations and substances for human and veterinary use; sanitary substances (5)

HYDROKALETS, 899,823, by Merck & Co., Inc., Rahway, New Jersey, U.S.A.

For medicinal and pharmaceutical preparations and substances (5)

STRIDE, B900,325, by Britanol, Ltd., Hertsford, Leeds, Yorks.

For pharmaceutical and veterinary products (5)

LAURACYCLINE, 900,496, by Laboratorios Hosbon, C.A., Barcelona, Spain.

For veterinary preparations and substances (5)

PROPITAN, 900,683, by Janssen Pharmaceutica, N.V., Beerse, Belgium.

For disposable diapers made principally of cellulose wadding (5)

COMBINA, B900,840, by Mölnlycke, A.B., Göteborg, Sweden.

For cotton wool (pharmaceutical) (5) and for napkins of textile materials, and pants, all for babies (28)

GOLDEN BABE, 886,602-03, by Lilia-White (Sales), Ltd., Sattley, Birmingham, 8.

For safety razor blades and dispensers (containers) for safety razor blades (8)

Device with word KRONA, B893,684, by Eversharp, Inc., Milford, Connecticut, U.S.A.

For scientific and electrical apparatus and instruments; photographic, cinematographic and optical apparatus and instruments; and parts and fittings, etc. (9)

QUELLE, 899,538, by Grossversandhaus Quelle Gustav Schickendanz, K.G., Furth Bayern, Germany.

For optical, photographic and cinematographic apparatus and instruments; and parts and fittings, etc. (9)

ROKKOR, 899,768, by Minolta Camera, K.K., Minami-Ku, Osaka, Japan.

For pants made of plastics for babies (25)

BUNNYSOFT, B900,813, by Martin John Pudney, Slough, Bucks.

NOTES ON NEW MEDICAMENTS

BRADILAN. — *Chemistry:* Tetracosinoylfructose. A variety of methods have been used to extend the action of drugs, but in recent years attention has been turned to the use of sugars as carrier substances for the active compounds. In suitable cases a sugar-drug complex is formed, which in the body is slowly broken down. Bradilan is formulated on a similar basis. Following oral administration, the tetracosinoylfructose is slowly hydrolysed in the intestines, with the release of nicotinic acid, which is absorbed to give a long-acting vasodilator effect. Slow release also reduces the unwanted side-effects of nicotinic acid (such as flushing, headache) which are associated with the temporarily high blood levels of the drug following the use of conventional preparations of the acid.

BRINALDIX. — *Chemistry:* 4-chloro-N-(2:6-dimethylpiperidino)-3-sulphamoyl benzamide. This compound, also known as clopamide, is a diuretic with actions and uses basically similar to those of chlorothiazide. The diuretic effect is powerful but not precipitate, so that the severe dehydration and disturbances of circulation that may occur with drugs with a more intense action are uncommon. Clopamide has been tested clinically against bendroflumazide. Its diuretic and saluretic effects of the new compound were found much greater. As with the thiazide diuretics, the urinary potassium is increased by clopamide, and prolonged treatment may result in a depletion of potassium reserves of the body. Such a reduction increases the sensitivity of the heart muscle to digitalis, so that signs of digitalis overdosage may result from prolonged treatment with both drugs. Clopamide has some hypotensive properties, and combined treatment with an antihypertensive drug may have a mutually potentiating action, thus permitting a lowering of blood pressure with smaller doses. This effect only occurs in hypertensive subjects, as clopamide has no effect if the blood-pressure is normal. Although a powerful saluretic, the excretion of other substances, notably uric acid, may be reduced by clopamide. A rise in uric acid levels of the blood, brought about by this may occasionally precipitate an attack of gout.

clopamide. A rise in uric acid levels of the blood brought about by this may occasionally precipitate an attack of gout.

PEPTAVLON.—*Constitution:* Pentagastrin, a five-amino-acid polypeptide. It can be described as *N*-*t*-butyloxy-carbonyl- β -alanine-tryptophyl-L-methionyl-L-aspartyl-phenylalanine amide. The compound has a molecular weight of 767.9. Chemically, the compound is related to gastrin, the natural hormone of the stomach, which is a seventeen-amino-acid polypeptide. The terminal tetrapeptide of gastrin is associated with the stimulant effects of the entire hormone on pepsin and acid secretion, and Peptavlon, which has been synthesised in view of that relationship, has similar stimulant properties. Animal experiments show that Peptavlon is about one quarter as effective as the natural hormone, but is very much more effective than histamine. Histamine is widely employed as a test for gastric function, but its other effects limit its value. Combined administration with an antihistamine is usually necessary to control the side-effects (antihistamines do not influence the stimulant effects of histamine on acid secretion). Peptavlon is free from the disadvantages of histamine, and there is a high degree of correlation between the results obtained with both drugs. The new compound may well become the preferred product as a diagnostic agent.

CONTEMPORARY THEMES

Subjects of contributions in current medical and technical publications

OESTROGEN TREATMENT of recurrent aphthous ulcers. *Lancet*, June 24, p. 1345.

VASOPRESSIN. Effect of on serum-levels of human growth hormone. *Lancet*, June 24, p. 1357.

ISONIAZID therapy in relation to later occurrence of cancer in adults and in infants. *Brit. med. J.*, June 24, p. 792.

URINARY CALCULI and the consumption of analgesics. *Brit. med. J.*, June 24, p. 800.

HETACILLIN AND **AMPICILLIN.** Laboratory and pharmacological studies in man with. *Brit. med. J.*, June 24, p. 804.

ISETHIONIC ACID. Urinary excretion of, in man. *Nature*, June 17, p. 1247.

STREPTOZOTOCIN. Induction of renal tumour by, in rats. *Nature*, June 17, p. 1254.

CALAGUALINE, an antitumoral saponine of *Polypodium leucotomos*. Metabolic effects of, *Nature*, June 17, p. 1256.

MENICHLIPHOLAN (2,2'-dihydroxy-3,3'-dinitro-5,5'-dichlorodiphenyl-Bilevon-m). Some investigations into the tolerance of in sheep, when used for treatment of fascioliasis under practical conditions. *Vet. Rec.*, June 17, p. 702.

FLAVOUR in pharmaceutical preparations. *Pharmaceuticalist*, March, p. 22.

SPICE HERBS. Scientific principles underlie uses of. *Pharmaceuticalist*, March, p. 33.

CYTOSINE ARABINOSIDE. Transport of phosphorylation as factors in the antitumor action of. *Science*, June 2, p. 1240.

ORGANOTINS. The chemistry and applications of. *Manf. Chemist*, June, p. 37.

FRUSEMIDE. Intravenous administration of. *J. Amer. med. Ass.*, June 5, p. 824.

DIPHOSPHOPYRIDINE NUCLEOTIDE in schizophrenia. *J. Amer. med. Ass.*, June 5, p. 881.

DEXTRAN-INDUCED ANAPHYLAXIS. *J. Amer. med. Ass.*, June 5, p. 889.

INTRATHECALLY ADMINISTERED METHYLPREDNISOLONE ACETATE. Tuberculous meningitis after. *J. Amer. med. Ass.*, June 5, p. 894.

OBESITY AND THERAPY. *Canad. Pharm. J.*, May, p. 8.

DISSOCIATION CONSTANTS. Potentiometric determination of. *J. pharm. Sci.*, June, p. 665.

ACETYSALICYLIC ACID AND **SALICYLIC ACID** in plasma. Determination of. *J. pharm. Sci.*, June, p. 717.

EFFECT OF γ RADIATION on selected pharmaceuticals. *J. pharm. Sci.*, June, p. 729.

DOXAPRAM HYDROCHLORIDE. Qualitative and

quantitative tests for. *J. pharm. Sci.*, June, p. 748.

ORGANOCHLORIDE RESIDUES in marine organisms. *Nature*, June 24, p. 1307.

MALATHION. Effects of mineral oil solvent on the toxicity and speed of action of. *Nature*, June 24, p. 1338.

A NEW WIDE-SPECTRUM COCCIDIOSTAT [7-benzoyloxy-6-*n*-butyl-4-oxo-1, 4-dihydroquinoline-3-carboxylate]. *Nature*, June 24, p. 1349.

BLOOD-CLOTTING FACTORS AND THROMBOSIS. Chemical activation of. *Nature*, June 24, p. 1362.

A VACCINE PREPARED FROM SALMONELLA DUBLIN (strain 51). The protection of calves against infection with *Salmonella typhimurium* by means of. *Vet. Rec.*, June 24, p. 720.

CAFFEINE VERSUS PLACEBO SUPPLEMENTATION. Effect of on blood-glucose concentration. *Lancet*, June 17, p. 1299.

PROTEINS. Portraits of. *New Scientist*, June 1, p. 532.

CANCERS. Endocrine-induced regression of. *Science*, May 26, p. 1050.

PATENTS

COMPLETE SPECIFICATIONS ACCEPTED

From the "Official Journal (Patents)," June 21

Esterification. Armour & Co. 1,077,547.

Preparation of *N*-demethyl tetracyclines. Chas. Pfizer & Co., Inc. 1,077,598.

Process for preparing a dry free-flowing glucose product from a solution thereof. Niro Atomizer A.B. and K.K.K. Krøyer. 1,077,626

2-Substituted-2-methyl -1, 3- cyclopentanediones and their preparation. Warner-Lambert Pharmaceutical Co. 1,077,635.

Preparation of organic iodine compounds with therapeutic properties. Olea Centre. 1,077,683.

Derivatives of 3-methylpurine and methods of preparing the same. Yissum Research Development Co. 1,077,689.

Benzomorphans and process for their preparation. J. R. Geigy, A.G. 1,077,711.

Medicinal preparation. J. H. Monie. 1,077,722.

Preparation for the care of the skin. CIBA, Ltd. 1,077,723.

Soap compositions. Procter & Gamble, Ltd. 1,077,743.

Process for chemical modification of growth hormones. Upjohn Co. 1,077,782.

Hypodermic syringes. T. J. Smith & Nephew, Ltd. 1,077,950.

Organo-tin salts of amino acids and peptides. Yissum Research Development Co. 1,077,970.

Process for preparing Δ^4 -3-ketosteroids. Sankyo Co., Ltd. 1,077,989.

Antibiotic compounds and methods for their preparation. Merck & Co., Inc. 1,077,999.

Carbamate derivatives and their use as pesticides. Mobil Oil Corporation. 1,078,019.

Pederin and pseudopederin derivatives. Soc. Farmaceutici Italia. 1,078,049.

Detergent composition. Procter & Gamble Co. 1,078,075.

6-aminothiopenicillanic acid and thiopenicillins. Bristol-Myers Co. 1,078,077.

Thiopenicillins. Bristol-Myers Co. 1,078,078.

Anthelmintic processes and compositions. Monsanto Co. 1,078,086.

Pharmaceutically valuable thiophene compounds. Deutsche Gold-und-Silber Scheideanstalt. 1,078,118-20.

Process for the recovery of plasminogen from blood serum or blood plasma. Novo Terapeutisk Laboratorium, A.S. 1,078,141.

Steroidal compounds. G. D. Searle & Co. 1,078,163.

6-substituted pregnane compounds. The British Drug Houses, Ltd. 1,078,174.

British patent specifications relating to the above will be obtainable (price 4s. 6d. each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2, from August 2.

WILLS

Mr. G. L. WOOD, M.P.S., 14 Onehouse Lane, Ipswich, Suffolk, left £8,089 (£8,009 net).

NEW COMPANIES

P.C. = Private Company. R.O. = Registered Office.

A.I.N. CHEMICALS, LTD. (P.C.). Capital £100. To carry on the business of wholesale and retail chemists and druggists, etc. Directors: Frank K. Illingworth and Keith Ashworth. R.O.: 2 Franklin Street, Clitheroe.

BAKER & MENDELSON (CHEMISTS), LTD. (P.C.). Capital £1,000. Subscribers: Raymond E. Baker, M.P.S., and Michael B. Mendelsohn, M.P.S. R.O.: 6 Stainbeck Lane, Leeds, 17.

C. I. McARDLE, LTD. (P.C.). Capital: £4,000. To carry on the business of wholesale and retail chemists and druggists, etc. Subscribers: John H. Duncombe, solicitor, Barry J. Ecclestone, 3 Temple Row, Birmingham, R.O.: 11a St. Andrews Street, Droitwich, Worcs.

DUKERSIDOL, LTD. (P.C.). Capital: £100. To carry on the business of selling agents and consultants to the pharmaceutical chemical trades, etc. Subscribers: Jean Herbert and Thomas A. Herbert, 71a City Road, London, E.C.1.

TWENTYPORT, LTD. (P.C.). Capital: £100. Other details similar to Dukersidol, Ltd.

NORMAN GRIFFITHS (CHEMIST), LTD. (P.C.). Capital: £5,000. To carry on the business of chemists, druggists, etc. Directors: Henry N. Griffiths, M.P.S. and Helena G. Griffiths. R.O.: 246, Havant Road, Drayton.

NORTHERN PACKAGING & CHEMICALS, LTD. (P.C.). Capital £100. Subscribers: Muriel Goldstein and Brian Goldstein, 25 The Glade, Ilford, Essex.

PHARMACEUTICALS INVESTMENTS, LTD. (P.C.).—Registered in Edinburgh. Capital £1,000. Directors: Philip M. Goldberg and Stewart Fairweather. R.O.: 159 Warrender Park Road, Edinburgh, 9.

PILOT CHEMICAL CO., LTD. (P.C.). Capital: £1,000. Directors: Dr. Wilfred E. Willmott and William F. Marson. R.O.: 56a London Road, Ware.

PROCOLOUR LABORATORIES, LTD. (P.C.). Capital: £5,000. To carry on the business of chemists, druggists, etc. Directors: John W. Bean and Middleton Barnes. R.O.: 35 Soho Square, London, W.1.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of week of insertion.

Wednesday, July 5

BOURNEMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Medical centre, Boscombe, at 12.0 p.m. Miss G. D. Hall on "Communication and Co-operation."

FEDERATION OF SOUTH-EASTERN PHARMACISTS. Visit to Michelham Priory, Hailsham (conducted tours from 7.30 p.m.) followed by buffet supper. Cost 10s. 6d. per person.

Advance Information

INTERNATIONAL BREWING, BOTTLING AND ALLIED TRADES EXHIBITION, Earls Court, London, S.W.5. April 22-26, 1968.

IRISH MATERIALS HANDLING EXHIBITION, Royal Dublin Society, Dublin, Eire. October 16-20.

Courses and Conferences

SOCIETY OF COSMETIC CHEMISTS, Leamington, Warwickshire, November 13-15. Symposium on manufacturing and processing in the cosmetic industry. Details should be obtained from the Symposium Organiser, Society of Cosmetic Chemists, 56 Kingsway, London, W.C.2.

Exhibitions and Fairs

125 YEARS OF THE ILLUSTRATED LONDON NEWS. Exhibition of issues, blocks, engravings, photographs, transparencies, etc., illustrating the history of the magazine. Kodak House, Kingsway, London, W.C.2, July 5-14. 9.30 a.m. to 5 p.m. daily, except Saturdays and Sundays. Admission free.

Prescribers' Press

What doctors are reading about developments in drugs and treatments

OXYPERTINE (Integrin, Bayer), the subject of a review in *Drug and Therapeutics Bulletin* is adjudged little different from older major tranquillisers. Until more comparative and predictive work has been done on choice of drug and dosage for particular psychotic illnesses "there seems no good reason to abandon the drugs with which one is familiar for this new substance." The drug is said to be relatively free of unwanted effects and it may be of some use for withdrawn, chronic schizophrenics. (*D. & T.B.*, June 23.)

The use of oestrogens to treat recurrent aphthous mouth ulcers in women is reported from the department of endocrinology, Guy's Hospital, London. In thirty-three of the forty-three patients treated the ulcers showed a clear relationship to the menstrual cycle, recurring or becoming more painful in the premenstrual week. Oestrogen was given as tablets of ethinyl-oestradiol, stilboestrol or Premarin (conjugated oestrogens). Minimum effective daily dose was 0.2, 3.0 and 5.0 mgm. respectively in most cases. The effect of implants was also tried, a four-day course of progestogen being given every twenty-eight days to induce withdrawal bleeding. Oestrogen therapy was found effective and well-tolerated and side effects were rare. (*Lancet*, June 24, p. 1,345.)

A POSSIBLE association between heavy consumption of analgesics and formation of renal calcate is reported by workers from Sydney, Australia. One-hundred-and-three male and 103 female patients with calcate were studied of whom 10.4 per cent. males and 22.4 per cent. females admitted to "heavy" consumption. In twenty-two of twenty-eight women who admitted taking three or more doses of analgesic per day for

more than one year, the analgesic was a mixture of aspirin, phenacetin and caffeine. The authors state that while, from their figures a cause-and-effect-relationship cannot be established it seems likely that at least some patients habituated to analgesics form calculi through calcification of necrotic papillary material. (*B.M.J.*, June 24, p. 800.)

A COMPARISON of laboratory and pharmacological studies in man of hetacillin and ampicillin has led workers at Beecham Research Laboratories to conclude that hetacillin would be therapeutically the inferior. It is thought probable that the antibacterial activity of hetacillin is that of ampicillin, to which it is hydrolysed. Electrophoretic studies of serum from volunteers who had received hetacillin showed the majority of circulating antibiotic to be ampicillin. Cross-over studies after oral and intramuscular doses showed that ampicillin produced consistently and substantially higher peak blood levels than hetacillin. Studies of the amount of antibiotic excreted in the urine over a six-hour period indicated that hetacillin was less readily absorbed than ampicillin. (*B.M.J.*, June 24, p. 804.)

AMERICAN workers following up reports that isoniazid can cause neoplasms in mice have failed to find any evidence to show that in daily doses of 4 mgm. per kilo body weight the drug increases the risk of cancer in human beings within a period of ten to fifteen years of starting treatment. The workers studied tuberculosis patients who had commenced treatment with isoniazid between 1951 and 1956; women who had been so treated during one or more pregnancies and the children who had been exposed to isoniazid *in utero* during those pregnancies. Among male patients there were slightly more deaths from cancer than might have been expected from mortality statistics but the difference was not statistically significant and there was no indication of a dose-response relationship. It is pointed out that different results might be obtained after a lapse of twenty years. (*B.M.J.*, June 24, p. 792.)

PRINT AND PUBLICITY

BOEHRINGER INGELHEIM, LTD., Isleworth, Middlesex, were awarded on June 22 the runners-up certificate for their entry *Das Medizinische Prisma* in the Industrial Publications category of the 1967 British Direct Mail Advertising Association awards. *Prisma*, printed in six languages and circulated to doctors in forty-six countries, is mailed six times a year to a special list of general practitioners and consultants in the U.K. Each edition reviews a special field of medicine, written by internationally recognised authorities in their particular fields.

PUBLICATIONS

Medical Propaganda

Manufacturers' leaflets, folders, booklets, etc., directed to doctors but available to pharmacists. BOOTS PURE DRUG CO., LTD., Station Street, Nottingham: "Furamide . . . for intestinal amoebiasis" (12-p. booklet). MOORE MEDICAL PRODUCTS, LTD., Waverley House, Aberdeen: "Bradilan" (file card). ORGANON LABORATORIES, LTD., Crown House, Morden, Surrey: "Cotazym B" (10-p. booklet). PARKE, DAVIS & Co., Hounslow, Middlesex: "Arlef 100 Kapsels" (file card and 16-p. booklet). SANDOZ PRODUCTS, LTD., 23 Great Castle Street, London, W.1: "Brinaldix" (file card).

Catalogues and Lists

COMBINED OPTICAL INDUSTRIES, LTD., 198 Bath Road, Slough, Bucks: List of industrial magnifiers with aspheric lenses. GEORGE T. GURR, LTD., 136 New Kings Road, London, S.W.6: Price list of Gurr's cyto-diagnostics. JAPANESE CAMERAS, LTD., 50 Piccadilly, Tunstall, Stoke-on-Trent, Staffs: 1967 catalogue (cover charge ninepence). ORGANON LABORATORIES, LTD., Crown House, Morden, Surrey: Price list, June. PAUL PLUS, LTD., 29 King Street, Newcastle, Staffs: 1967 catalogue (cover price ninepence). PHOTOPIA, LTD., Hempstalls Lane, Newcastle, Staffs: 1967 catalogue (cover charge one shilling). PHOTO SCIENCE, LTD., Chaffleets Road, Canvey Island, Essex: Abridged catalogue of photographic equipment (including Rowi and Jobo). QUICKFIT & QUARTZ, LTD., Stone, Staffs: First catalogue of Clearfit interchangeable laboratory glassware (incorporating the new Clearfit clear joints) (pp. 29).

COMMERCIAL TELEVISION

The information given in the table is of number of appearances and total screen time in seconds. Thus 7/105 means that the advertiser's announcement will, during the week covered, be screened seven times and for a total of 105 seconds.

Period July 9 — 15

PRODUCT	London	Midland	North	Scotland	Wales & West	South	North-East	Anglia	Ulster	Westward	Border	Grampian	Eireann	Channel Is.
Alka-Seltzer	3/90	3/90	3/135	3/90	3/90	3/90	3/90	3/90	3/90	3/90	3/90	3/90	3/90	3/90
Anadin	1/30	1/30	—	2/60	7/95	3/90	4/130	5/150	2/60	2/60	3/90	2/60	—	2/60
Askit powders and tablets ..	—	—	—	7/49	—	—	—	—	—	—	3/21	2/14	—	—
Bathjoys	1/30	1/30	—	—	—	1/30	—	—	—	—	—	—	—	—
Compound W. . . .	—	—	—	—	5/35	—	—	—	4/20	—	—	—	—	—
Dettol	—	1/45	—	—	—	—	—	2/90	—	—	—	—	—	—
Disprin	2/30	3/45	2/30	2/30	2/30	2/30	2/30	1/15	2/30	—	1/15	3/45	—	1/15
Freezone	—	3/37	3/45	—	1/15	—	2/30	—	3/45	—	—	2/30	—	—
Haze	1/15	1/15	1/15	—	2/30	1/15	1/15	2/30	2/30	1/15	1/15	1/15	—	—
Immac	1/30	1/30	5/150	3/90	4/120	—	1/30	1/30	1/30	8/65	7/49	—	—	2/60
Kwell's	2/14	2/14	2/14	2/14	3/21	2/14	2/14	2/14	—	2/14	2/14	2/14	—	3/21
Polaroid cameras ..	1/30	2/60	2/60	1/30	2/60	1/30	3/90	2/60	3/90	1/30	3/90	2/60	—	4/120
Powerin	—	1/7	—	—	—	—	—	—	—	—	—	—	—	—
Radox	3/60	3/60	3/90	3/90	3/90	3/90	3/90	3/60	—	—	—	—	—	3/90
Steradent	1/30	2/30	2/60	—	1/30	3/90	2/60	2/60	2/60	1/30	2/60	3/90	—	3/90
Wonder Set	1/15	2/30	4/60	—	4/60	2/30	2/30	2/30	—	5/75	4/60	2/30	—	3/45
Wright's coal tar soap ..	1/15	1/15	1/15	—	1/15	—	1/15	1/15	—	1/15	1/15	—	—	—

**CONSTANTLY
ADVERTISED**

IN WOMEN'S MAGAZINES

Velouté
POWDER CREAM

A COMPLETE MAKE UP IN A SINGLE APPLICATION

Made in England PEACH

PLASTIC JARS
Trade 34/- doz.
Retail 5/1 each

In Shades
IVORY
NATURAL
OCHRE
PEACH
SUNGOLD
APRICOT
RACHEL

TUBES No 2
Trade 11/5 doz.
Retail 1/8½ each

TUBES No 3
Trade 18/7 doz.
Retail 2/11 each

Velouté de DIXOR
POWDER CREAM

NATURAL Made in England

Velouté de DIXOR
POWDER CREAM

NATURAL Made in England

FROM YOUR USUAL WHOLESALER OR DIRECT FROM DIXOR LTD., ST. LEONARD'S ROAD, MORTLAKE, S.W.14.

BLYTHE

FOR CHEMICALS AND SERVICE

"Eagle" Brand Chemicals

PHOTOGRAPHIC CHEMICALS
SODIUM METABISULPHITE
SODIUM HYPOSULPHITE
(Crystals and Anhydrous)
SODIUM SULPHITE
(Crystals and Anhydrous)
EPSOM SALTS B.P.
GLAUBER SALTS B.P.
SULPHUR (Ground and Unground)
ACCUMULATOR ACID

Enquiries invited

WILLIAM BLYTHE & CO., LTD.
HOLLAND BANK CHEMICAL WORKS, CHURCH,
LANGASHIRE
Tel: 3214113 ACCRINGTON

Telex 12346

Tel: 32141/3 ACCRINGTON
Grams: BLYCO. ACCRINGTON

SMITH & HILL SERVICE

is second to none



SMITH & HILL (CHEMISTS) LIMITED

MATILDA STREET SHEFFIELD 1. TELEPHONE 28383 (5 lines)
79a URBAN RD. 37 SURREY STREET CARDINAL WORKS
HEXTHORPE DERBY CARDINAL STREET
DONCASTER Tel: 40526. NOTTINGHAM
Tel: 65261-3. Tel: 54347-8.

showrax



The Display Equipment for Chemists

This highly successful range of attractive and versatile equipment has now been extended to provide the specialised merchandising facilities necessary for the Chemist. The optional finishes include plastic-coated steel components in a simulated wood grain finish in addition to the standard pastel shades. Craftsman-constructed timber display cabinets, drawer units and counters complete the attractive and functional Showrax installation.

Other outstanding features of this prestige equipment include:—

- ☐ Boltless construction throughout
- ☐ Shelves and backs manufactured from plastic-coated, rust-resistant steel sheet
- ☐ Standard brackets instantly adjustable to horizontal and two sloping positions and at $1\frac{1}{2}''$ pitch in the height
- ☐ Standard unit sizes from 2' to 4' in 3" increments to utilize maximum space available
- ☐ Minimum space loss caused by upright structure ($2\frac{1}{4}''$)
- ☐ Shelves constructed from 6" and 9" panels giving increased strength, rigidity and adaptability
- ☐ Attractive up-swept canopy with clip-in commodity letters
- ☐ A wide range of accessories.

Countrywide planning and survey service. Complete and post coupon opposite for details and Catalogue.

Showrax is manufactured by SHOWRAX LIMITED

showrax



**NEW
Catalogue. Send
for copy now.**

To: SHOWRAX LTD., Tower Works, Northfleet, Kent
Please send me a copy of your New Catalogue and
full details of successful Showrax.

NAME.....

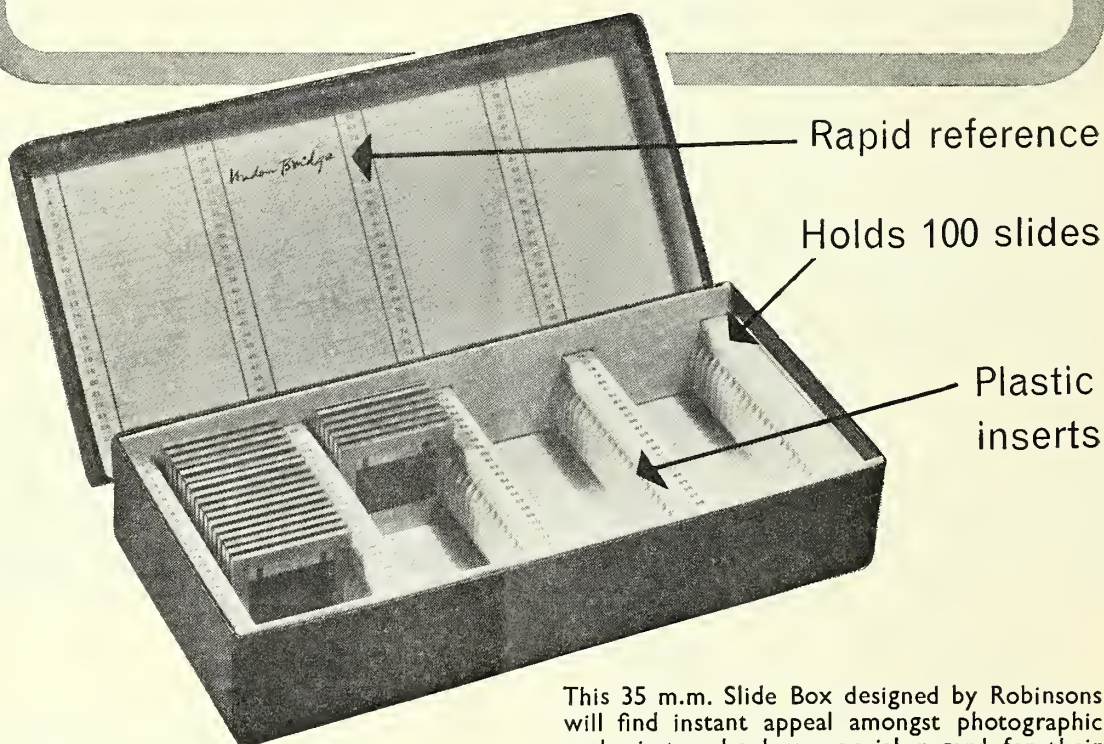
COMPANY.....

ADDRESS.....

Tel. No..... CD/167

Tower Works, Northfleet, Kent. Tel: Gravesend 4261

Enthusiasts will want this **35** **m.m.** SLIDE BOX



Rapid reference

Holds 100 slides

Plastic
inserts

This 35 m.m. Slide Box designed by Robinsons will find instant appeal amongst photographic enthusiasts who have special regard for their slides. A clearly numbered title index instantly locates any of the 100 slides which are fully protected in plastic inserts having a corresponding number.

Min. Quantity of 1-dozen - 6/0d each
½-gross lots and over - 4/6d each

Carriage paid.



ROBINSONS OF CHESTERFIELD

Robinson and Sons Limited
Wheat Bridge Mills, Chesterfield ☐ **Telegrams:**
Boxes Chesterfield ☐ **Telephone:** 2105 (11
lines) ☐ **London Office:** King's Bourne House
229/231 High Holborn, London WC1 ☐ **Grams:**
Omnibox Holb. London ☐ **Phone:** HOL 6383



ARROW

For injections, tablets, hormone preparations, antibiotics, and liver extracts. For the Chemist, the doctor and the surgeon.

for medicine . . .

For skilled hands to select from the fruits of progress the Pharmaceutical Medical and Veterinary products to aid them in their fight to heal. For medicine—from Antigen.

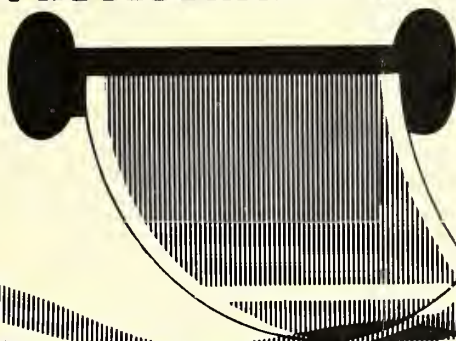
ANTIGEN · ROSCREA · IRELAND

LONDON'S FASTEST

KODACOLOR
AGFACOLOR
EKTACHROME
FERRANIACOLOR

COLOUR-BLACK & WHITE PROCESSING & PRINTING

A fast turn-round colour service second to none. That's the way to keep *your* customers satisfied. We collect and deliver and the number for South London is Mitcham 8264-8268 and for North London Ladbroke 7425



**Daily
collection
and
delivery
LONDON* AND
HOME COUNTIES†**

Photo Laboratories (LONDON) LIMITED

†South London (Head Office)
Tramway Path, London Road, Mitcham.

*North London
Tay Building, 2 Wrentham Avenue, London, N.W.10

VULFIX

SHAVING BRUSH

BONUS OFFER

FREE

2 PCS. VSI SHAVING BRUSH
WITH PARCEL NO. 18

4 pcs. VS1 Retail 6/- each
4 pcs. VS2 Retail 8/- each
3 pcs. VS3 Retail 10/- each
4 pcs. VS4 Retail 9/- each
3 pcs. VS5 Retail 11/- each

plus 2 pcs. VS1 FREE

COST WSP 87/- each. Retail Return 167/- each
Also ask for details of other shaving Brushes
and Hairbrushes.

PROGRESS SHAVING BRUSH (VULFIX) LTD.
PEEL ROAD, DOUGLAS, ISLE OF MAN
143 NEW BOND STREET, LONDON, W.1.

TANNIC ACID

ALL QUALITIES

THE BRITISH DYEWOOD Company Limited

HEAD OFFICE

19 ST. VINCENT PLACE

GLASGOW, C.1

Telephone: Central 4425

Greenock Street, Liverpool 3

Telephone: Central 5272

Show more-sell more with attractive Easy-to-Fix WHITE STEEL SHELVING

73" high, 34" wide,
12" deep. Six
shelves adjustable
every inch.
Hygienic and easy
to clean.

FOR **£5**

PER BAY
BRAND NEW
(CARRIAGE FREE
ON MAINLAND)



Send for FREE catalogue of our
complete range of storage equipment
ORDER NOW

N.C. BROWN LTD

INDUSTRIAL
SALES DIVISION

pacesetters in storage equipment

Eagle Steelworks, Heywood, Lancs. Tel: 69018

London: 25/27 Newton St. WC2. Tel: 01-405-7931

Please send _____ bays of White Steel Shelving
(State No. req.)

NAME _____

ADDRESS _____

C 92

fiona EYELASHES



- SELF-ADHESIVE ●
- SHAPED & TRIMMED ●
- PERMANENT CURL ●
- SIMPLE TO FIX ●
- SECURE IN WEAR ●

12/6 recommended retail
price

Refills of Self-Adhesive or Normal Adhesive 1/6 each
Distributors:- **THOS. CHRISTY & CO. LTD.**
Aldershot, Hants. Telephone Aldershot 24373
Manufactured by **R. BRANDT & CO. (Mfg.) LTD.**
Stanmore, Middlesex. Telephone: DRYden 0088/89



CLASSIFIED ADVERTISEMENTS

Address Box Number Replies to: Box..., THE CHEMIST AND DRUGGIST, 28 ESSEX ST., STRAND, LONDON, W.C.2. Tel.: 01-353 6565

This service does not extend to the forwarding of samples.

APPOINTMENTS — 27/- per 1/2" s.c. minimum and pro rata. AGENTS — AUCTION SALES — BUSINESSES FOR SALE and WANTED — CLEARANCES and WANTS — CONTRACTS — MISCELLANEOUS — PATENTS — PARTNERSHIPS — PREMISES — PUBLIC and LEGAL NOTICES — SITUATIONS VACANT. Run-on — 4/6 per line (minimum 22/6). Semi-display — £2-14-0 per s.c.i. minimum. Displayed with border rule, larger type faces and blocks — 72/6 per s.c.i. minimum. Reduced rates for one-third, one-half and full pages on application. SITUATIONS WANTED — 7/6 per 18 words minimum, then 5d. per word. Use of Box No. — 3/-. Advertisements received by 4 p.m. Tuesday published same week.

PREMISES

SHOPS TO LET

KIPPAX (Nr. LEEDS)

PARKSTONE (Nr. POOLE)

PENDLEBURY & TYLDESLEY
(Nr. MANCHESTER)

BURY ST. EDMUNDS

apply

BOYD, RIDGLEY & PARTNERS,
10 Hanover Street,
London, W.1.

(May 6057)

C 7980

TO BE LET

Albrighton, Nr. Wolverhampton.

SHOP AND FLAT

Occupying an excellent position in a good local shopping centre. In course of erection. Shop 550 sq. ft. with or without 2 bedroom flat over. All services, rear entrance and parking etc. Full particulars, Nock & Joseland, Chartered Surveyors, 48 Queen Street, Wolverhampton. Tel.: 20070. C 2333

BUSINESSES FOR SALE

CITY E.C.4.
FIRST CLASS
CHEMIST BUSINESS
occupying a prominent position
FOR SALE

as a
GOING CONCERN

price required

£7,500

with S.A.V.

Apply: ref B.R.N.

CONRAD, RITBLAT

& Co.

MILNER HOUSE . LONDON W.1
01-935 4499 (20 lines)

C 7958

FAMILY dispensing business, turnover £22,000, net profit £3,500, N.H.S. over 2,000 monthly. Good lease, living accommodation. Price £8,500 including stock £3,500. Owner retiring. Apply Box C 2330.

APPOINTMENTS

BOARD OF GOVERNORS OF KING'S COLLEGE HOSPITAL

Pharmacist

part-time, hours by arrangement (up to 6 sessions) wanted. Locum considered. Apply to Hospital Secretary, Dulwich Hospital, East Dulwich Grove, S.E.22.

C 7989

CENTRAL MIDDLESEX HOSPITAL

Park Royal, N.W.10.

Senior Pharmacist

required in above Category Five Hospital. Duties will rotate between Out-Patients and Main Pharmacy with occasional duties in Sterile Solutions Unit. Department which has been re-equipped can be visited by appointment with Chief Pharmacist, tel.: ELGar 5733. Applications, with full particulars of experience and names of two referees to Hospital Secretary. C 816

CENTRAL MIDDLESEX HOSPITAL

Park Royal, N.W.10.

Locum Pharmacist

required at above Category Five Hospital. Salary £25 18s. 6d. per week. Applications to Hospital Secretary immediately. C 815

COSSHAM MEMORIAL HOSPITAL

Kingswood, Bristol

Pharmacist — Chief II

required mid-July for this acute general hospital. (82 beds). Salary scale £1,232-£1,558 per annum.

Applications naming two professional referees to Hospital Secretary. C 7990

HAMMERSMITH HOSPITAL AND THE ROYAL POSTGRADUATE MEDICAL SCHOOL

Du Cane Road, London, W.12

Senior Pharmacist

required at the above General Postgraduate Teaching Hospital (Category V) to supervise sterile products laboratory or, periodically, other sections of the department.

Post offers excellent experience; very wide range specialised and other work undertaken. Laboratory newly built and well equipped. Excellent working conditions.

Salary scale £1,076-£1,340 plus London Allowance £75 and Higher Qualification Allowance (where applicable) £25.

Applications, stating age, experience and naming two referees, to Chief Pharmacist. C 7965

HAMMERSMITH HOSPITAL AND THE ROYAL POSTGRADUATE MEDICAL SCHOOL

Du Cane Road, London, W.12

Pharmacist

required at above General Postgraduate Teaching Hospital (Category V).

Post offers interesting work and excellent all-round experience. Department recently modernised, very pleasant working conditions.

Salary scale £988-£1,242 plus higher qualification allowance (where applicable) and London Weighting of £75.

Applications stating age, experience (if any), and naming two referees to Chief Pharmacist. C 7966

HAMMERSMITH HOSPITAL AND THE ROYAL POSTGRADUATE MEDICAL SCHOOL

Du Cane Road, London, W.12

Locum Pharmacist

required at the above Teaching Hospital for several weeks commencing as soon as possible. Interesting work in modernised Department.

Salary £25 18s. 6d. per week.

Applications to Chief Pharmacist. C 7964

MILE END HOSPITAL Bancroft Road, London, E.1

Deputy Chief Pharmacist

Applications are invited for the post of Deputy Chief Pharmacist (Category IV) at Mile End Hospital. Whitley Council conditions of service. Further particulars may be obtained from the Chief Pharmacist (Tel.: ADVance 4855). Applications stating age, qualifications, experience and the names of two referees, to the Group Secretary at the above address. C 7974

MOORFIELDS EYE HOSPITAL

Pharmacy Technician I or II

Applications are invited for the post of Pharmacy Technician I or II. Interesting work in modern, well-equipped Department. Duties finish at 4.30 p.m. Monday to Friday; Saturday 1 p.m. with alternate Saturday free. Whitley Council salary and conditions of service. Applications to the Chief Pharmacist, Moorfields Eye Hospital, City Road, London, E.C.1. C 7961

NEW BARKING HOSPITAL, Upney Lane, Barking, Essex

Basic Grade Pharmacist

required for this New Hospital adjacent to Upney District Line Station and within 45 minutes of the West End of London and the East Coast. Salary Scale £988-£1,242 p.a. plus London Weighting.

Applications together with the names of two referees to the Group Secretary, King George Hospital, Eastern Avenue, Newbury Park, Ilford, Essex. C 778

Appointments—Continued.**NEW BARKING HOSPITAL,
Upney Lane, Barking, Essex****Senior Pharmacist**

required for new department. Barking Hospital is adjacent to Upney District Line Station and within 45 minutes of the West End of London and the East Coast. Salary Scale £1,076-£1,340 p.a. plus London Weighting. Accommodation may be made available if required.

Applications together with the names of two referees to the Group Secretary, King George Hospital, Eastern Avenue, Newbury Park, Ilford, Essex. C 779

**NORTH STAFFORDSHIRE
HOSPITAL MANAGEMENT
COMMITTEE****City General Hospital (757 beds),
Stoke-on-Trent****Pharmacist (Basic Grade)**

required. Salary £988 per annum rising by annual increments to £1,340. Four qualified staff in active department. Detailed applications with names and addresses of two referees to Hospital Secretary.

C 7973

**ROYAL NATIONAL THROAT
NOSE AND EAR HOSPITAL
Gray's Inn Road, London, W.C.1****Chief Pharmacist's Clerk**

Person with knowledge of drugs and dressings preferred. Salary £598 (age 21) to £815, rising to £924. Apply Chief Pharmacist.

C 7987

**SHOTLEY BRIDGE GENERAL
HOSPITAL****Consett, Co. Durham****Pharmacist**

Applications are invited for the appointment of Pharmacist at the above Hospital (539 beds) which is also the Group Pharmacy. The Department is equipped with facilities for manufacturing and sterile work. A new central sterile supply department has recently been opened and will provide good experience for the successful applicant. Salary on the scale £988-£1,242 per annum. Residential accommodation can be arranged for a single person.

Applications, giving details of age, qualifications and experience and naming two referees to Hospital Secretary as soon as possible. C 7982

**ST. HELENA GROUP H.M.C.
14 Pope's Lane, Colchester****Pharmacy Technician I**

required based at Essex County Hospital, Colchester. Duties consist principally of the preparation of medicines and dispensing of prescriptions for out-patients and in-patients at hospitals in Colchester and surrounding area. Work will generally be carried out under supervision of a Pharmacist, but successful applicant may be required to work at times without direct supervision away from the main Pharmacy. Qualification required is Certificate of the Society of Apothecaries, the Dispensing Certificate of the R.A.M.C. or the R.A.F., or other equivalent qualification. Salary on the scale £530 to £769 depending on age and experience. Further details from the Group Pharmacist at Essex County Hospital, and application forms from Group Secretary, St. Helena Group H.M.C., 14 Pope's Lane, Colchester. C 7979

**ST. ALBANS CITY HOSPITAL
St. Albans, Herts.****Locum Tenens Pharmacist**

required 1st to 29th July, 11th to 30th September, 1967. Salary £24 9s. 6d. per week. Applications to Hospital Secretary. C 813

**SHREWSBURY GROUP
HOSPITAL MANAGEMENT
COMMITTEE****Shelton Psychiatric Hospital,
Shrewsbury****Chief Pharmacist**

Applications are invited from suitably qualified persons for the post of Chief Pharmacist. Unfurnished house available at moderate rental.

Salary on the scale £1,232 rising by increments to £1,558.

The conditions of service in accordance with the Pharmaceutical Council of the Whitley Council.

Applications, accompanied by the names and addresses of three referees, should be addressed to the Medical Superintendent, Shelton Hospital, Shrewsbury. C 7978

**ST. ALBANS CITY HOSPITAL
St. Albans, Herts.****Senior Pharmacist**

(£1,076-£1,340) required in July 1967 at this Category III hospital. Good and varied experience for young Pharmacist. New ward block opening this summer. Applications naming two referees to Chief Pharmacist. C 810

**ROYAL FREE HOSPITAL
Gray's Inn Road, W.C.1****Locum Pharmacist**

required at this hospital. Salary £25 18s. 6d. per week. Applications naming two referees to the Group Chief Pharmacist, Royal Free Hospital, Gray's Inn Road, London, W.C.1. C 819

**THE ROYAL HOSPITAL
Wolverhampton****Deputy Chief Pharmacist, Category V,**

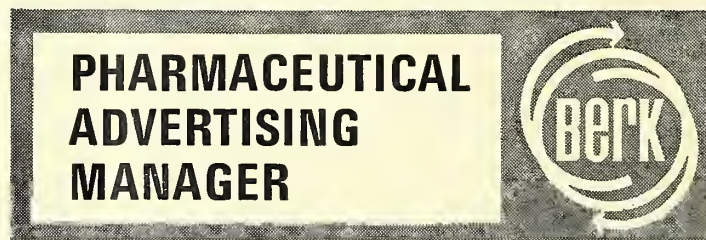
required. This post offers scope to a pharmacist to acquire experience in the administration of a department which serves a group of twelve hospitals. Salary £1,232 - £1,558. Flat available at reasonable rental. Apply with names of two referees to Hospital Secretary. C 7986

THE ROYAL FREE HOSPITAL**Pharmacist**

Applications are invited for the post of Pharmacist at the above Hospital. Salary on the scale £988 per annum plus London Weighting rising to £1,242 per annum with higher qualification allowance and extra pay for evening clinics. Applications with names of two referees should be addressed to the Group Chief Pharmacist, Royal Free Hospital, Gray's Inn Road, London, W.C.1. C 7983

**ROYAL FREE HOSPITAL
Gray's Inn Road, W.C.1****Senior Pharmacist**

Applications are invited for the post of Senior Pharmacist in the Sterile Products Unit at Liverpool Road, Islington, supplying the needs of the whole Group. Salary in accordance with the Whitley Council Scale with extra pay for evening clinics. There is a possibility of accommodation if required. Apply naming two referees to the Group Chief Pharmacist, Royal Free Hospital, Gray's Inn Road, London, W.C.1. C 7983

SITUATIONS VACANT WHOLESALE

The recently announced merger of Berk Pharmaceuticals Ltd., and West-Silten Pharmaceuticals Ltd., has created the need to recruit an experienced and able man as Advertising Manager. This is a rare opportunity to join, at a senior level, a company which is firmly set on a course for rapid growth.

It is essential for the applicant to have had several years' experience in the advertising department of a Pharmaceutical Company.

The ideal candidate will probably have had some experience as a medical representative, be able to write copy and develop ideas for publicity material. He will have had experience in progressing print work through liaison with designers, printers or advertising agencies.

The man appointed will probably now be the Assistant Advertising Manager of a large pharmaceutical company who sees little chance of further progress in the next few years with his present company.

The salary paid will be appropriate to the man and the position. There is a profit-sharing scheme, pension and other benefits.

Apply in confidence in writing to: — W. Walton, Marketing Manager,

BERK PHARMACEUTICALS LIMITED
CATTESHALL LANE, GODALMING, SURREY

C7992

Situations Vacant Wholesale—Continued.

**CHEMIST REPRESENTATIVE**

A recent promotion within the Company has created a vacancy for a representative in our Midland Region and applications to fill this position are invited from suitably experienced men with retail connections in this area.

Salary is negotiable, a car supplied, expenses reimbursed, and there are pension, life assurance and sickness benefit schemes.

Applicants between 25/40 years should apply in complete confidence to:

**PERSONNEL MANAGER,
VESTRIC LIMITED,
RUNCORN,
CHESHIRE.**

C7984

ANALYST interested in eventual Research work, required by West London Branch of International firm of Essential Oil Distillers and Manufacturers of Aromatic Raw Materials for Perfumery and food flavouring Industries.

Modern laboratory — good salary — and conditions. Pension Scheme — 5-day week. —Send full details of background to Box C 7988.

**SITUATIONS VACANT
RETAIL**

HULL PHARMACIST, lady or gentleman, required to manage pleasant suburban Pharmacy in good class area. No rota, three weeks holiday, pleasant congenial post. House and garage rent free. For interview (expenses paid) apply E. Butterwick Chemist Ltd., 627 Holderness Road, Hull. C 2326

AN UNQUALIFIED lady assistant required for family type business, experience essential. Apply L. S. & W. Short, Ltd., 226 Venner Road, Sydenham, London, S.E.26. Tel SYD 5616. C 2335

BERKSHIRE, READING
WILLIAMS THE CHEMISTS
require a **MANAGER/ESS**

for their TILEHURST (Reading) Branch. Total salary in the region of £2,000 per annum. Superannuation Scheme. Five-day week. Modern Pharmacy in good locality. Good supporting staff. Write 36 Coronation Square, Reading. Telephone 55619.

Also **RELIEF MANAGER/ESS** required for their four shops in Reading, to implement five-day week for other Managers. Work normally four-day week except holiday times.

C 7971

SITUATIONS WANTED

FIELD sales Manager seeks position, connections London South-East, Home Counties. All-round experience. Retail, Wholesale. Staff training. Box C 2336.

SENIOR medical representative (52) London, South-East England. Established G.P., Hospital and Clinic connections. Experienced Representative training. Clinical Trials. Box C 2334.

AGENTS

REPRESENTATIVES? AGENTS WANTED to join the National Union of Commercial Travellers. Many advantages and benefits. Write for booklet to: Dept. "G," 8-13, New Inn Street, London, E.C.2. C 7956

AGENT and Representative required in all areas for new exciting Jintan Breath refresher perles. Good commission and full support. Actabs, London, N.7 (01-607 3658). C 2337

**SELECTRON PILL COUNTER
AND PACKER**

developed by Erdos Davis Limited New Zealand. This Electronic Machine handles tablets of any size. Suitable for use by Pharmacists, Hospitals and Pharmaceutical Wholesalers. The company wishes to appoint an Agent for the United Kingdom. Enquirers should contact New Zealand Trade Commission, London. Whitehall 8422. C 2329

**AGENTS
OVERSEAS****DISTRIBUTOR**

good connections French pharmacies, seeks agencies for products to be established in France.

Write to No. 8959a, AMEP, 37 rue du General Foy, Paris 8, who will forward replies to advertiser. C 2331

WANTED

WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packaging raw materials, etc. No quantity too large. Our representative will call anywhere. Write or telephone: Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11. Tel: Park 3137-8. C 140

WANTED: Surplus cameras, enlargers, cine-cameras and projectors, photographic equipment of every description. Surplus and outdated film and paper, large or small quantities. Phone, write or call: Spears (Dept. CD), back Watling Street, Shudehill, Manchester, 4. Telephone BLAckfriars 9432 (5 lines). Bankers: Midland Bank, Ltd. C 613

WE PURCHASE surplus and redundant stocks of every description especially packing material. Spot cash settlement. Reliance Trading Company, 23-25 Charles Lane, St. John's Wood, London, N.W.8. Tel.: JUNiper 0701. C 599

SMALL single or double head piston filler for liquids, 3 to 6 fl. oz. capacity. Box C 7991.

IMPORTANT

Box Office numbers are intended exclusively for specific answers to particular advertisements. Price Lists, Trade Circulars, Samples and Printed Matter cannot be forwarded.

BUSINESS OPPORTUNITIES

STARTING YOUR OWN BUSINESS?

Opening your second shop?

Finance can be a problem.

You need a shopfitter who can provide maximum help. Rocano can spread the cost of equipment over up to six years, and even the cost of shop fronts, floors, electrical work etc. can be spread over three years. There is a free planning and advisory service. Rocano Ltd., St. Paul Street, Bristol, 2. Tel.: 40328. C 818

MANLY MAN'S BELT. Nationally advertised "obtainable from chemists," 42s. Full trade terms. Order by waist measurement from Manly Co., Manor House, Worcester Park, Surrey, DERwent 3877. C 635

MISCELLANEOUS

FOR YOUR REQUIREMENTS OF FEED STUFF with or without antibiotics, kindly contact: Mesco Laboratories Limited, 10, Holywell Lane, London E.C.2. Cables: Ascendco-London, E.C.2. Telephone SHore-ditch 2185. C 7958

COHAR FOR CARPETS. Up to 30% saving, all leading makes, carriage free U.K. Expert fitting, most areas. Up to 22½% Furniture, 22½% Venetian Blinds, 15% Sewing Machines, 17½% Washing Machines, 15% Refrigerators, 15% Typewriters, 12% Parquet Tiles, 15% Furs, 15% Tyres, 12½% Outboard Motors and Boats, 10% Lawn Mowers, 12½% Power Tools, 15% Cutlery. Showrooms at London, Leicester, Sheffield, Bradford, Leeds, Hull, Middlesbrough, Manchester, Newcastle, Bristol, Huddersfield, Liverpool, Cardiff, Swansea, Aberdeen, Edinburgh, Plymouth, Bournemouth, Brighton, Glasgow, Dundee, Birmingham, Preston, Blackpool, Belfast, Nottingham, Huddersfield, Sevenoaks, Thorpe Bay, Ottery St. Mary, Cambourne, Norwich, Lincoln, Coventry. Write stating requirements or for introductions, Cohar Distributors (Dept. 28), 16 Jacob's Well Mews, George Street, London, W.1. (Mail Only) and 47 Oswald Street, Glasgow, C.1 or phone Glasgow 041, 221, 2771, London CHAncery 2345, Birmingham MIDland 8333, Manchester CENTral 2321, Cardiff 40404, Liverpool ROY 3232, Leeds 3-4433, Newcastle 61-0666, Sheffield 2-6622. C 600

Camera Repairs

CAMERAS, (all types). CINES and PROJECTORS, ELECTRONIC FLASH, EXPOSURE METERS, BINOCULARS

COUSINS & WRIGHT

Repairs to all Kodak apparatus. Fully accredited - repairers for Rollei, Bell & Howell, Zeiss Ikon and most other makes.

THE HALVE, TROWBRIDGE, WILTSHIRE
Tel.: 4242/3 C 780

SHOPFITTERS

MODERN SHOP FRONTS at competitive prices. Designs and quotations free. Also Interplan interior fittings made specially for the chemist. Send for brochures Olney Bros., Ltd., Jado Works, Bedford Street, Berkhamsted, Herts. Tel.: 5417. C 795

MACHINERY FOR SALE

HAND OPERATED tableting machine, Maximum 7/16 in. tablets £25. W. Lehmann, 92, Caledonian Road, N.1. TERMINUS 4195. C 2320

TRADE MARKS

The Trade Marks set out below were assigned on 30th November, 1966, by Veritas Drug Company Limited of 12, Carlisle Road, London, N.W.9, to Diwag Chemische Fabrik G.m.b.H. of Oranienstrasse 7/9, Walidannslast, Berlin, Germany. **WITHOUT THE GOODWILL OF THE BUSINESS IN WHICH THEY WERE THEN IN USE.**

Registered No.	Mark	Goods
577351	Sedicyl	A medicated preparation for the treatment of climacteric complaints in women.
577352	Ovo-Sedicyl	Chemical substances prepared for use in medicine and pharmacy
577354	Pacyl	ditto
582924	Parisalon	Medicated preparations for human use in the treatment of asthma
584769	Dormovit	Hypnotics, being medicated preparations for human use
741128	Pansedon	Medicinal preparations for the treatment of vegetative disorders

C 2328

The Trade Marks set out below were assigned on 5th May, 1967 by John Bell, Hills & Lucas Limited of Worsley Bridge Road, London, S.E.26 to United Africa Chemists Limited also trading as John Bell, Hills & Lucas of United Africa House, Blackfriars Road, London, S.E.1. **WITHOUT THE GOODWILL OF THE BUSINESS IN WHICH THEY WERE THEN IN USE**

Registered No.	Mark	Goods
559561	Device of tree stump with axe	Chemical substances prepared for use in medicine and pharmacy
563924	ditto	All goods included in Class 48 but not including soap
Unregistered Marks		
No.	Mark	Goods
No. 1	Dithranol (Label)	Ringworm Ointment
Dr. Lynn's		Cough Mixtures
		Female Specific Mixture
Linwood's		Jaundice Bitters
Karm		Children's Soothing Mixtures
No. 200		Cough Mixtures

C 7981

Technical Books for the
Pharmacist's LibraryCHEMIST'S DICTIONARY OF
SYNONYMS

AN invaluable—indeed indispensable—handbook at the counter and in the dispensary, providing the answers to many otherwise awkward requests by customers. Incorporates the best of the former "Rouse's Synonyms."

Price 8s. 6d. Postage 8d.

ESSENTIALS OF TREATMENT

1st Edition, 1956

A MOST concise guide to modern medical outlooks on many commonly encountered diseases and conditions, showing the place of the newer remedies among those of longer establishment, and discussing the relative merits of medical, surgical and nursing techniques.

Price 17s. 6d. Postage 10d.

PHARMACEUTICAL
EMULSIONS AND EMULSIFY-
ING AGENTS

4th Edition, 1964

ONE of the most thumbed volumes in libraries used by pharmaceutical students, this compact handbook is essentially practical and informative, giving the modern scientific basis of the acquired skills and knowledge of generations of practising pharmacists. The much enlarged index reflects the ever-growing availability and use of proprietary emulsifying agents. A number of new emulsifying agents have been added to the new edition, with reference to their use. For those who wish to take

their reading further, a bibliography has been added. Revised by R. F. White, B.Pharm., Ph.D., M.P.S., the edition is fully up-to-date and informative.

Price 15s. Postage 10d.

PHARMACEUTICAL FORMULAS
Vol. 2

11th Edition

A BOOK no chemist can afford to be without. Although conditions in retail pharmacy have changed so much in recent years, a source book of formulas of toilet, cosmetic and perfumery preparations, adhesives, beverages, varnishes and lacquers, horticultural and pesticidal products, household cleansers and polishes, etc., remains an indispensable book of reference for the chemist whose retail customers come to him as the practical expert. It would be fair to claim an international reputation for this unrivalled collection of recipes totalling nearly 900 pages.

Price 42s. Postage 3s.

DISEASES AND REMEDIES

11th Edition, 1963

A CONCISE survey of the most modern methods of medicine, providing pharmacists (as well as nurses, physiotherapists, dieticians and almoners) with a text-book of information on the treatment of diseases and the drugs used. Accepted methods are explained, and the medicaments mentioned include some of very recent introduction.

Price 21s. Postage 10d.

THE CHEMIST AND DRUGGIST, 28 ESSEX STREET, STRAND, W.C.2

01-353 6565



14th century gatehouse entrance to Ransom's factory, symbolized in the Company's trademark.

Ransoms have served the industry for 120 years

Ever since William Ransom started his drug-growing farm in 1846, the company he founded has made valuable contributions to the pharmaceutical industry through its specialization in medicinal plant cultivation and galenical production. Ransoms have always

been in the forefront of the industry through constant devotion to research and development and their products are now known and trusted throughout the world. The benefits of Ransom's technical resources are at the disposal of large buyers of drugs and galenicals.



Established 1846

William Ransom & Son Ltd.

Hitchin, Hertfordshire, England



20 million tablets per week !

Did you know—that we manufacture this vast quantity of tablets per week, under the strictest quality control procedures? An output, in fact, which would take only $2\frac{1}{2}$ years to encircle the globe.

Let us manufacture your tablets. Our Development Department is at your service to discuss any technical problem related to the manufacture and coating of tablets. The COX organisation also has facilities for the production of pills, suppositories, liquids and ointments.

This remarkable photograph of part of the earth's surface curvature taken at an altitude of approximately 100 miles is reproduced through the courtesy of the United States Information Service.

ARTHUR H COX & CO LTD
BRIGHTON 7 SUSSEX ENGLAND

TELEPHONE BRIGHTON 63084 (5 LINES) STD 0273

APRIL 2013



RIGHT

彩照

姓名: _____
Name

职务: _____
Post

单位: _____
Unit

No: _____

Date: _____

002

美得快